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BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1919

PART V

RÉSEAU MONDIAL, 1919

MONTHLY AND ANNUAL SUMMARIES OF PRESSURE, TEMPERATURE, AND PRECIPITATION AT LAND STATIONS,

GENERALLY TWO FOR EACH TEN-DEGREE SQUARE OF LATITUDE AND LONGITUDE

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RÉSEAU MONDIAL, 1919.

PREFACE

The publication of the Réseau Mondial commenced in 1917 with the volume containing the data for the year 1911. Subsequently the volumes for 1912, 1913, 1910, 1914, 1915, 1916, 1917 and 1918 were issued, in that order. An account of the history of the enterprise is given in the preface to the volume for 1914. Since the appearance of that volume, a meeting of the Commission appointed by the International Meteorological Committee to foster the enterprise has taken place, in connexion with the meeting of the Committee held in London in September, 1921. The Commission approved the general form in which the results for the years 1910 to 1914 have been published, and adopted a resolution, subsequently endorsed by the Committee, requesting that the publication of similar data for ensuing years might be continued. The present volume, which forms the tenth of the series, and deals with the observations of the year 1919, is issued in response to that appeal. It should be mentioned, however, that all the information refers to land stations; it has not yet been practicable to give effect to the wishes of the Commission for the inclusion of data from the sea.

A list of the additions or changes made in the network of stations since the issue of the preceding volume is given below. These changes have been made after consultation with the Directors of the National Meteorological Services concerned.

Additions :—

Zone 3, 60° to 50° N.	..	305, Dillingham.
Zone 6, 30° to 20° N.	..	601, Midway Island.
Zone 11, 20° to 30° S.	..	1142*a*, Bulawayo.

The following substitutions have also been made :—

Substitutions :—

Zone 2, 70° to 60° N.	..	236, Lerwick. Station moved back from Ander Hill (147m.) to Fort Charlotte (18m.) on March 1st.

The stations shown below have been closed and have consequently been deleted :—

Deletions :—

Zone 3, 60° to 50° N.	..	323, Hebron.
Zone 7, 20° to 10° N.	..	718, Oaxaca.

Data for the following stations are missing :—

Zone 1, 80° to 70° N.	..	147, Malye Karmakouly.
Zone 2, 70° to 60° N.	..	244, Petrozavodsk.
		250, Obdorsk.
Zone 3, 60° to 50° N.	..	345, Saratov.
Zone 4, 50° to 40° N.	..	446, Astrakhan.
Zone 5, 40° to 30° N.	..	548, Meshed.

Zone 6, 30° to 20° N.	..	614, La Paz.
		641, Siwa.
Zone 7, 20° to 10° N.	..	735, Ségou.
		736, Timbuctoo.
Zone 8, 10° N to 0°	..	833, Conakry.
		838*a*, Libreville.
		845, Harrar.
Zone 10, 10° to 20° S.	..	1007, Makatea.
		1030, Aracaju.
		1046, Sainte-Marie.
Zone 11, 20° to 30° S.	..	1127, Curityba.
		1169, Ouitchambo.

The total number of stations utilised was 444 as against 449 in 1918.

INTRODUCTION TO THE TABLES OF THE RÉSEAU MONDIAL FOR THE YEAR 1919.

Subdivision of the Globe and numbering of Stations.—In order to facilitate the grouping of the information, the surface of the globe is divided into zones each covering ten degrees of latitude. Those zones are numbered consecutively from north to south, the number 1 being assigned to the zone extending from latitude 80° N. to latitude 70° N., the northernmost one for which information is available. The corresponding zone in the southern hemisphere, that extending from latitude 70° S. to latitude 80° S., accordingly becomes zone No. 16.

An identification number is assigned to each station. The first one or two digits in this number specify the zone to which the station belongs, and the last two digits indicate its position in longitude. For the latter purpose the zones are subdivided into 36 " squares," each extending over ten degrees of longitude, and two station numbers are assigned to each square. The enumeration of the stations starts from longitude 180° west of the meridian of Greenwich and proceeds eastward. A few examples will make the system clear. Station numbers 101 and 102 refer to the stations in zone 1 (i.e., between latitude 70° N. and 80° N.) between longitude 170° W. and 180° W. ; station numbers 335 and 336 to the stations in zone 3 (50° N. to 60° N.) between longitude 10° W. and 0° ; station numbers 1147 and 1148 to the stations in zone 11 (latitude 20° S. to 30° S.) between longitude 50° E. and 60° E., i.e., to the Indian Ocean. In cases where it has been found desirable to give data for more than two stations in one " square " the additional stations are distinguished by adding the letter " *a* " to the numbers appropriate to the square. For zone 6 between longitude 90° W. and 100° W. it was considered desirable to give data for the two Indian stations Cherrapunji and Gauhati, representing conditions at high and low levels, the mountain station Cherrapunji being indicated by the addition of the letter " *m* " to the number appropriate to Gauhati.

In the monthly tables the data are arranged by zones, and within each zone, in the order of the identification numbers of the stations.

Units.—Absolute units related to the metric system are employed throughout. The scale on which temperatures are recorded in the Réseau Mondial is such that the freezing point of water under atmospheric pressure is 273*a* precisely. Other temperatures differ by 273·0 from readings on the Centigrade scale. Conversion tables showing the relation of these units to the units more commonly in use, will be found on pp. xvi to xviii of the Réseau Mondial (Tables) for 1914.

Authorities.—The data have been transcribed in most cases from the publications of the various meteorological institutes received in the Library of the Meteorological Office. Particulars of the sources from which they have been taken will be found in the *Table showing the Authorities for the Meteorology of the Globe*, printed at the end of the volume. In many cases the volumes for 1919 have not yet been issued and the data have therefore been taken from advance manuscript copies supplied by the courtesy of the Directors concerned, whose valued co-operation is hereby acknowledged. The data for some stations in the British Colonies have been transcribed from manuscript returns received in the Meteorological Office, and have not yet been published elsewhere. The majority of the stations for which information is given are under the control of government meteorological services ; it is therefore assumed that the recognised conventions regarding the instruments and their exposure have been followed. In the case of other stations information on these points is sometimes lacking, but no observations have been included that are known to be faulty in this respect. The positions of stations, their heights above sea-level and the spelling of names, have been taken from the official meteorological publications, if given, but in some cases it has been necessary to complete this information from other sources.

In the table for 1918 the symbol $\mathfrak{T}$ was introduced to signify the true, or 24-hour, mean temperature. The letters *a*, *b*, *c*, etc., have replaced the symbols used in the volume for 1917 as references to the notes at the end of the Table of Authorities.

Height above Sea Level.—Particulars of the datum used in the European countries when specifying heights above sea level will be found in the Introduction to the volume of Tables for 1914.

Normals.—Wherever possible the departures from normal of the monthly values of mean pressure, mean temperature and precipitation, are given. It has not been possible to employ homogeneous series throughout. In all cases an endeavour is made to secure that the normals are based on the same combination of values as the current data, or a comparable one. The years to which the normals refer are given in the *Table showing the Authorities for the Meteorology of the Globe* at the end of the volume.

Pressure.—The tables provide space for the entries of mean monthly pressure both at station level and at mean sea level. If the value at sea level is not given in the publication from which the data have been transcribed, it has been computed in the Meteorological Office for all stations not exceeding 1,000 metres in altitude, for which the height above sea level was accurately known. The reduction is based on the *International Meteorological Tables*, allowance being made for the change of temperature with height. The reduction has not been made for stations at higher levels. The monthly means of pressure are based by preference on hourly values, but when such are not available, combinations of observations at other hours have been used. Particulars of the combination adopted at each station are given in the *Table showing the Authorities for the Meteorology of the Globe* under the heading " Remarks." Table I (p. vii) gives for certain stations the correction required to reduce the means computed in this way to the means computed from hourly observations. In cases in which it is possible to give values both for station level and for sea level, the differences from normal refer to the latter. For the stations of the Indian and Brazilian Services differences from normal refer, however, to station level. To these stations the suffix " *q* " is given in the list of Authorities.

Temperature.—The monthly tables include the means of the daily readings of maximum and minimum thermometers, the highest reading of the maximum and the lowest reading of the minimum thermometer, the mean temperature obtained from the mean maximum and mean minimum, and a column giving the observed or deduced mean of 24 hourly values per day.

The column headed " 24 hr. mean " contains : in Roman type, means based on at least six equally-spaced observations each day : in *italic* type, either (a) means based on observations at one or more fixed hours, with or without an appropriate correction ; or (b) means obtained by applying an appropriate correction to the mean of the mean daily maximum and mean daily minimum. The methods by which these figures in italics have been deduced are in all cases set out in the Table of Authorities in the column headed " Remarks " pp. 105–114.

Precipitation.—The term precipitation includes rain, snow, hail and (if of measurable amount) dew. The solid precipitates are measured by the depth of water they yield or are computed to yield when melted.

Wind.—No information regarding wind is included in the general tables, but at the end of each monthly section daily observations of wind are given for selected stations in the tropics. At the foot of these tables the Resultant Direction and the " Constancy " are given. No account is taken of wind *strength* in computing these quantities ; each observation of direction is regarded as a unit vector and the *resultant direction* is obtained by compounding the unit vectors. The " *constancy* " is represented by 100 times the ratio of the vector sum of the unit vectors to the number of observations (calms included). Direction is specified by the azimuth of the point *from* which the wind is blowing, and is measured in degrees from north through east.

State of Ice in the Arctic Seas.—The statistical information given for each month is supplemented by notes on the state of the ice in the Arctic Seas and in the North Atlantic Ocean.

Bibliography of the Meteorology of the Globe.—A bibliography will be found on page xv of the Réseau Mondial (Tables) 1914.

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 1.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Gaasefiord for Inglefield Bay, ⅓ (8+14+21) (1)	0·0	0·0	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Gaasefiord and Godthaab for Upernivik, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Waigatz, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Zone 2.													
Sitka for Nome, ½ (6+18) (8)	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Tanana *and* Valdez, ½ (7+19) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Eagle, ½ (8+19) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Godthaab, *and for* Jacobshavn, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Godthaab for Ivigtut, ⅓ (8+14+20) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Angmagsalik, ⅓ (8+14+21) (1) ..	+0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1	−0·1
Helsingiors, *and for* Kuopio, ⅓ (7+14+21) (8)	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kola, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Arkhangelsk, ⅓ (7+13+21) (1) ..	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Mezen, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Oust-Tsylma, ⅓ (7+13+21) (1) ..	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Tcherdyn, ⅓ (7+13+21)(1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Berezov, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Sourgout, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Doudinka, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Touroukhansk, ⅓ (7+13+21) (1) ..	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Iakoutsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Verkhoïansk, ⅓ (7+13+21) (1) ..	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0
Zone 3.													
Sitka for St. Paul Is., ½ (6+18) (8) ..	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Dutch Harbor, ½ (1+13) (8)	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Sitka for Kodiak, ½ (2+14) (8) ..	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1	−0·1
Sitka, 20 h. (8)	+0·1	+0·1	0·0	0·0	..	..	..	..	..	..	..	..	..
Sitka, ½ (8+20) (8)	..	..	..	..	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1
Sitka and Victoria for Prince Rupert, ½ (5+17) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria for Kamloops, ½ (4½+16½) (1)	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria and Moose Jaw for Calgary, ½ (5½+17½) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·1	+0·2	+0·2
Fort Confidence and Moose Jaw for Fort Chipewyan, ½ (8+18) (1) ..	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	0·0
Moose Jaw for Prince Albert *and* Qu'Appelle, ½ (6+18) (1)	+0·3	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·2	+0·3	+0·3	+0·3	+0·2
Moose Jaw and Winnipeg for Minnedosa, ½ (7+19) (1)	+0·2	+0·1	+0·1	+0·1	+0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Fort Churchill for Port Nelson, ½ (7½+18½) (1)	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·2	+0·1	+0·1	−0·1	−0·2	−0·2	0·0
Le Pas and Fredericton for Fort Hope, ½ (7+19) (1)..	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0
Le Pas and Fredericton for Moose Factory, ⅓ (9+14+19) (1)	+0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0
Hamburg and Upsala for Copenhagen, ⅓ (8+14+21) (2)	+0·1	−0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	+0·1
Warsaw, ⅓ (7+13+21) (11)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Petrograd, ⅓ (7+13+21) (2)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kiev, ⅓ (7+13+21) (1)	+0·1	+0·3	0·0	−0·1	−0·4	−0·4	−0·3	−0·3	−0·1	−0·2	+0·1	+0·1	−0·1
Moscow, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0
Kazan, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	0·0
Orenburg, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Perm, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Ekaterinburg, ⅓ (7+13+21) (1) ..	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	−0·1	0·0	0·0	0·0	+0·1	0·0
Tobolsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Akmolinsk, ⅓ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Omsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Barnaoul, ⅓ (7+13+21) (2)	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Zone 3—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Tomsk, ½ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Minousinsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	−0·1	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Eniseisk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Irkutsk, ⅓ (7+13+21) (2)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	+0·1	−0·1
Kirensk, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	−0·1
Tchita, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	−0·1
Nertchinsk for Nertchinskii Zavod, ⅓ (7+13+21) (2)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	−0·1
Tygan Ourkan, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	0·0
Blagoveshchensk, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	0·0
Paikanskii Sklad, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	0·0
Nikolaevsk-sur-Amour, ⅓ (7+13+21)(1)	+0·1	0·0	−0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Okhotsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Sitka for Attu, 8 h. (8)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Zone 4.													
Winnipeg for Port Arthur, ⅓ (7+14+19) (1)	0·0	+0·1	+0·1	+0·1	+0·1	0·0	0·0	+0·1	+0·1	0·0	0·0	0·0	0·0
New York, ⅓ (7+14+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·1	0·0
St. John, N.B., ⅓ (9+15+21) (1) ..	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	0·0
Nice for Marseilles, ⅙ (7+10+13+16+18+22) (16)	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Rome, ⅓ (9+15+21) (3)	−0·3	−0·3	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·3	−0·3	−0·2	−0·2
O-Gyalla for Buda-Pesth, ⅓ (7+14+21) (1)	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0
Bucharest for Sofia, ⅓ (7+14+21) (1)..	+0·1	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·1	0·0
Bucharest, ⅓ (8+14+20) (13).. ..	+0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·1	0·0
Odessa, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0
Kharkov, ⅓ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Novorossiisk, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1
Tiflis, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	0·0	0·0	0·0	−0·1
Fort Alexandrovsk, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·1	0·0	0·0	+0·1	−0·1
Krasnovodsk, ⅓ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·1	0·0	0·0	0·0	−0·1
Aralskoe More, ⅓ (7+13+21) (1) ..	+0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	0·0	−0·1
Tachkent, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Narynskoe, ⅓ ((7+13+21) (1) ..	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·3	−0·2	−0·1	0·0	0·0	−0·1
Vladivostok, ⅓ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Zone 5.													
Madeira (Funchal), ⅓ (9+15+21) (1)..	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·1	−0·1	−0·1
Lisbon, ⅓ (9+15+21) (4)	−0·2	−0·1	−0·1	−0·2	−0·2	−0·1	−0·2	−0·1	−0·2	−0·2	−0·2	−0·1	−0·2
Lisbon for Gibraltar, ⅓ (7+13+21) (4)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·3	−0·3	−0·2	−0·1	−0·1	0·0	−0·1
Bouzaréah for Melilla, ⅓ (8+16) (1) ..	+0·2	+0·2	+0·2	+0·1	+0·1	0·0	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	+0·1
Palma, ⅓ (8+16) (1)	−0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1
Metlaoui for Tunis, ⅓ (7+13+19) (1)..	0·0	+0·1	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	0·0	0·0	−0·1	+0·1	0·0
Malta, 8 h. (1)	−0·6	−0·7	−0·7	−0·7	−0·8	−0·8	−0·9	−0·8	−0·8	−0·8	−0·7	−0·6	−0·7
Naples for Riposto, ⅓ (9+15+21) (2)..	0·0	0·0	−0·1	−0·1	−0·2	−0·2	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1
Alexandria, ⅓ (8+14+20) (18) ..	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	−0·1	−0·1	−0·1	0·0
Athens and Cairo for Nicosia, ½ (8+15) (1)	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2
Baghdad, 7 h. (17)	−0·1	−0·4	−0·5	−0·6	−0·6	−0·8	−0·9	−0·9	−0·7	−0·6	−0·5	−0·2	−0·6
Lenkoran, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	+0·1	−0·1
Quetta, 8 h. (6)	−0·9	−0·9	−1·1	−1·2	−1·2	−1·4	−1·3	−1·2	−1·4	−1·5	−1·4	−1·1	−1·2
Peshawar, 8 h. (6)	−0·9	−1·1	−1·2	−1·4	−1·8	−2·1	−2·0	−1·9	−1·8	−1·8	−1·5	−1·0	−1·6
Lahore, 8 h. (6)	−0·7	−0·6	−1·0	−1·2	−1·3	−1·6	−1·3	−1·5	−1·4	−1·4	−1·0	−0·9	−1·1
Simla, 8 h. (6)	−0·2	−0·2	−0·2	−0·4	−0·6	−0·5	−0·5	−0·4	−0·5	−0·5	−0·6	−0·4	−0·4
Leh, 8 h. (6)	−1·0	−0·9	−1·4	−1·3	−1·3	−1·6	−1·8	−1·7	−1·9	−1·7	−1·5	−1·2	−1·5
Zi-Ka-Wei for Hankow, ⅓ (6+14+22) (7)	+0·3	+0·2	+0·2	+0·1	0·0	0·0	−0·1	0·0	0·0	+0·2	+0·2	+0·3	+0·1
Pekin for Tientsin, ⅓ (6+14+22) (8)..	+0·3	+0·3	+0·1	0·0	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·1
Zone 6.													
Mexico for Chihuahua, Leon *and* Monterry, ⅓ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Nassau, Bahamas, ½ (8+15) (1) ..	+0·1	+0·1	0·0	+0·1	0·0	+0·1	+0·2	+0·2	+0·1	+0·2	+0·1	+0·1	+0·1
Izaña, ⅓ (7+14+21) (19)	0·0	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1	0·0
Khartoum and Cairo for Aswan, ⅓ (8+14+20) (18)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 6—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Cairo and Aswan for Tor, ⅓ (8+14+20) (18)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0
Bushire, 8 h. (6)	−0·8	−0·8	−0·9	−0·7	−0·8	−0·6	−0·5	−0·5	−0·7	−0·9	−1·0	−0·9	−0·7
Jask, 8 h. (6)	−1·2	−1·1	−1·1	−1·0	−1·0	−0·8	−0·6	−0·8	−1·0	−1·1	−1·3	−1·2	−1·0
Karachi, 8 h. (6)	−1·5	−1·5	−1·4	−1·3	−1·3	−0·9	−0·8	−1·0	−1·2	−1·4	−1·5	−1·5	−1·3
Jacobabad, 8 h. (6)	−1·1	−1·3	−1·7	−1·7	−1·8	−1·7	−1·5	−1·4	−1·5	−1·4	−1·4	−1·2	−1·5
Jaipur, 8 h. (6)	−1·1	−1·2	−1·5	−1·6	−1·8	−1·6	−1·2	−1·2	−1·4	−1·6	−1·3	−1·3	−1·4
Nagpur, 8 h. (6)	−1·7	−1·9	−2·1	−2·3	−2·2	−1·4	−1·2	−1·2	−1·5	−1·7	−1·8	−1·7	−1·7
Allahabad, 8 h. (6)	−1·5	−1·6	−1·9	−2·0	−1·9	−1·7	−1·2	−1·2	−1·6	−1·7	−1·7	−1·6	−1·6
Darjiling, 8 h. (6)	−0·3	−0·3	−0·6	−0·8	−0·9	−0·8	−0·6	−0·6	−0·8	−0·8	−0·7	−0·5	−0·6
Calcutta, 8 h. (6)	−1·6	−1·6	−1·7	−1·8	−1·5	−1·1	−0·9	−1·0	−1·2	−1·6	−1·7	−1·7	−1·5
Dinajpur and Sibsagar for Gauhati, 8 h. (6)	−1·7	−1·6	−1·9	−2·0	−1·8	−1·4	−1·4	−1·5	−1·6	−1·8	−1·9	−1·8	−1·7
Akyab, 8 h. (6)	−1·5	−1·5	−1·6	−1·7	−1·1	−0·8	−0·9	−1·2	−1·4	−1·3	−1·5	−1·3	−1·3
Mandalay, 8 h. (6)	−1·7	−1·8	−2·1	−2·1	−1·7	−1·4	−1·3	−1·3	−1·6	−1·8	−1·8	−1·8	−1·7
Phu Lien, *and for* Moncay, ½ (10+16) (9)	−0·3	−0·2	−0·2	−0·1	+0·1	+0·2	+0·2	+0·2	+0·1	−0·1	−0·1	−0·1	0·0
Hong Kong for Amoy, 9 h. (13) ..	−1·8	−1·7	−1·6	−1·5	−1·3	−1·0	−0·9	−0·8	−1·2	−1·6	−1·7	−1·8	−1·4
Taihoku and Manila for Basco (Santo Domingo), ½ (6+14) (13)	+0·7	+0·6	+0·5	+0·5	+0·4	+0·4	+0·4	+0·5	+0·6	+0·6	+0·6	+0·7	+0·5
Zone 7.													
Mexico for Colima, Morelia *and* Salina Cruz, ½ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Port au Prince, ⅓ (7+13+21) (13) ..	−0·1	−0·2	−0·3	−0·3	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	−0·1	−0·2
St. Kitts for Montserrat, ½ (9+15) (13)	−0·3	−0·3	−0·2	−0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·1
Barbados, ½ (9+15) (13)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	0·0	−0·2	−0·3	−0·1	−0·1	−0·2	0·0
Duala for Kaduna, 9 h. (1)	−1·7	−1·7	−1·8	−1·8	−1·7	−1·6	−1·6	−1·6	−1·8	−1·9	−1·7	−1·7	−1·7
Khartoum, *and for* El Obeid, ⅓ (8+14+20) (18)	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1
Khartoum and Cairo for Port Sudan, ⅓ (8+14+20) (18)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Aden, 8 h. (6)	−1·6	−1·7	−1·7	−1·5	−1·6	−2·0	−2·1	−2·2	−1·9	−1·4	−1·7	−1·3	−1·8
Bombay, 8 h. (6)	−2·0	−1·9	−2·0	−2·0	−1·8	−1·1	−1·0	−1·2	−1·6	−2·0	−2·2	−2·1	−1·8
Cochin, 8 h. (6)	−1·9	−1·8	−1·8	−1·6	−1·2	−0·7	−0·7	−0·9	−1·2	−1·4	−1·6	−1·8	−1·4
Bangalore, 8 h. (6)	−1·7	−1·7	−1·9	−2·1	−1·8	−1·2	−1·0	−1·3	−1·5	−1·7	−1·6	−1·7	−1·6
Madras, 8 h. (6)	−1·5	−1·5	−1·7	−1·7	−1·6	−1·6	−1·5	−1·6	−1·8	−1·7	−1·5	−1·5	−1·6
Vizagapatam, 8 h. (6)..	−1·7	−1·6	−1·8	−1·8	−1·7	−1·2	−1·1	−1·2	−1·3	−1·6	−1·6	−1·7	−1·5
Port Blair, 8 h. (6)	−1·3	−1·2	−1·2	−1·3	−1·1	−0·9	−0·8	−0·9	−1·1	−1·2	−1·2	−1·3	−1·1
Rangoon, 8 h. (6)	−1·7	−1·9	−2·1	−2·2	−1·6	−1·0	−1·0	−1·3	−1·8	−1·5	−1·8	−1·6	−1·6
Bolinao, ½ (6+14) (1)	+0·5	+0·5	+0·5	+0·5	+0·5	+0·5	+0·4	+0·5	+0·6	+0·6	+0·6	+0·6	+0·5
Ormoc, ½ (6+14) (1)	+0·7	+0·6	+0·6	+0·7	+0·6	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·7	+0·7
Zone 8.													
Duala for Lagos, 9 h. (1)	−1·7	−1·7	−1·8	−1·8	−1·7	−1·6	−1·6	−1·6	−1·8	−1·9	−1·7	−1·7	−1·7
Entebbe, ½ (7+14+21) (1)	+0·1	0·0	−0·2	−0·2	−0·2	0·0	+0·1	+0·2	+0·1	−0·2	−0·3	−0·1	−0·1
Colombo, ½ (9½+15½) (6)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Trincomalee, ½ (9½+15½) (6)	−0·1	−0·1	0·0	+0·2	+0·3	+0·3	+0·4	+0·3	+0·3	+0·2	+0·1	0·0	+0·2
Singapore, *and for* Penang, ⅓ (9+15+21) (2)	−0·2	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·3	−0·2	−0·3	−0·2
Manila for Iwahig, ½ (6+14) (13) ..	+0·7	+0·6	+0·6	+0·6	+0·6	+0·5	+0·5	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6
Zone 9.													
Quixeramobim, *and for* Turyassu and Barra do Corda, ½ (7+14+21((1)..	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1
Zanzibar, 8 h. (6)	−2·1	−2·1	−1·6	−1·3	−1·1	−1·1	−1·1	−1·1	−1·3	−1·6	−1·5	−1·6	−1·5
Ocean Island, ½ (9+21) (1)	−1·4	−1·2	−1·4	−1·4	−1·4	−1·0	−1·2	−1·2	−1·3	−1·3	−1·3	−1·2	−1·3
Zone 10.													
Arequipa, ½ (10+22) (14)	−0·6	−0·7	−0·7	−0·6	−0·7	−0·6	−0·7	−0·7	−0·7	−0·7	−0·6	−0·6	−0·7
St. Helena, 9 h. (1)	−1·2	−1·2	−1·3	−1·3	−1·3	−1·1	−1·1	−1·1	−1·0	−1·1	−1·2	−1·2	−1·2
Kimberley and Zomba for Gwelo, 9 h (1).	−1·4	−1·5	−1·4	−1·4	−1·4	−1·3	−1·3	−1·4	−1·5	−1·5	−1·5	−1·4	−1·4
Salisbury, 9 h (20)	−1·3	−1·3	−1·5	−1·3	−1·3	−1·2	−1·3	−1·5	−1·7	−1·7	−1·7	−1·4	−1·4
Zomba, ½ (9+21) (1)	−0·8	−0·8	−0·8	−0·9	−0·9	−0·9	−0·9	−1·0	−1·0	−0·9	−0·9	−0·9	−0·9
Tananarive, ⅓ (7+13+18) (1) ..	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Derby, ½ (9+15) (1)	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Hall's Creek, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·3
Darwin, ½ (9+15) (1)	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0
Daly Waters, ½ (9+15) (1)	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3
Mein, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	+0·1

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 10—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Georgetown, Queensland, ½ (9+15) (1)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Apia for Suva, Fiji, 9 h. (10)	−1·2	−1·3	−1·5	−1·4	−1·5	−1·5	−1·4	−1·4	−1·5	−1·4	−1·3	−1·2	−1·4
Zone 11.													
Santiago for Punta Tortuga, ⅓ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Kimberley, ½ (8+14+20) (15) ..	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0	0·0
Johannesburg, *and for* Pretoria, 8½ h. (13)	−1·0	−1·1	−1·1	−1·1	−1·0	−1·0	−1·1	−1·3	−1·3	−1·2	−1·1	−1·1	−1·1
Bulawayo, 8 h. (1)	−1·3	−1·2	−1·1	−1·0	−1·0	−0·9	−0·9	−1·0	−1·3	−1·4	−1·4	−1·3	−1·1
Onslow, ½ (9+15) (1)	−0·2	−0·2	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1
Peak Hill, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·3	0·3	+0·2	+0·2	+0·1	+0·1	+0·2
Nullagine, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1
Laverton, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3	+0·3
Alice Springs, ½ (9+15) (1)	+0·6	+0·5	+0·7	+0·7	+0·8	+0·9	+0·9	+1·0	+0·9	+0·9	+0·9	+0·8	+0·8
William Creek, ½ (9+15) (1)	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3
Boulia, ½ (9+15) (1)	+0·4	+0·4	+0·5	+0·5	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6	+0·5	+0·6
Mitchell, *and for* Thargomindah, ½ (9+15) (1)	0·0	+0·1	+0·1	+0·2	+0·3	+0·3	+0·4	+0·4	+0·5	+0·5	+0·3	+0·2	+0·3
Rockhampton, ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Brisbane, ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Zone 12.													
Valdivia for Punta Tumbes, ⅓ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1
Santiago, *and for* Valparaiso, ⅓ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Cape Town, ⅓ (8½+12½+20½) (2) ..	−0·4	−0·4	−0·3	−0·3	−0·2	−0·2	−0·2	−0·3	−0·3	−0·3	−0·3	−0·3	−0·3
Cape Town for Danger Point, Riversdale *and* East London, 8½ h. (2) ..	−0·5	−0·6	−0·7	−0·7	−0·7	−0·7	−0·7	−0·8	−0·8	−0·7	−0·6	−0·5	−0·7
Cape Leeuwin for Perth, ½ (9+15) (1) ..	−0·2	−0·3	−0·1	0·0	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·2	−0·2	−0·1
Breaksea Island for Katanning, ½ (9+15) (1)	0·0	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·2	0·0	+0·1	+0·1	0·0	+0·1
Coolgardie, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Eucla, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·3	+0·2	+0·2	+0·2
Streaky Bay, ½ (9+15) (1)	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1
Adelaide, ½ (9+15) (1)	0·0	0·0	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·1	0·0	0·0
Bourke, 9 h. (1)	−1·2	−1·1	−1·2	−1·1	−0·9	−0·8	−0·7	−0·8	−1·0	−1·0	−1·0	−1·1	−1·0
Sydney, ½ (9+15) (1)	+0·1	0·0	−0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Zone 13.													
Santiago, Punta Arenas for Isla Guafo *and* Punta Galera, ⅓ (7+14+21) (1)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·1	−0·3	−0·1
Hobart, *and for* Launceston, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·2	+0·3	+0·3	+0·2
Zone 14.													
Punta Arenas, *and for* Islota de los Evangelistas *and* Punta Dungeness, ⅓ (7+14+21) (1)	−0·1	−0·1	−0·1	0·0	+0·1	+0·1	+0·2	+0·1	0·0	0·0	0·0	−0·1	0·0
South Georgia, ⅓ (8+14+20) (1) ..	0·0	+0·1	0·0	−0·1	−0·1	+0·2	+0·2	+0·2	+0·1	0·0	0·0	+0·1	+0·1

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(19) Madrid, *Anuario del Obs.*, Tomo III., Suppl. 3, p. 4.
(20) *Corrections supplied by* Salisbury, Dept.-Agric.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
601	1917. Midway Island.	° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
	January	28 15	177 22	5·8														
	February	..	..	..	..	1012·5	− 3·4	..	..	..	..	..	..	..	..	..	..	..
	March	..	..	..	..	1010·8	− 5·0	..	..	..	..	..	..	..	..	..	..	..
	April	..	..	..	..	1017·9	− 0·8	..	..	..	..	..	..	..	..	..	..	..
	May	..	..	..	..	1014·2	− 6·1	..	..	..	..	..	..	..	..	..	..	..
	June	..	..	..	..	1018·6	+ 0·1	298·4	301·9	30th	290·3	285·8	2nd	294·3	..	..	71	..
	July	..	..	..	..	1021·7	+ 3·7	300·1	300·8	12th	294·4	291·3	22nd	297·3	..	..	84	..
	August	..	..	..	..	1021·7	+ 2·8	300·3	302·4	8th	294·9	291·9	6th	297·6	..	..	68	..
	September	..	..	..	..	1021·3	+ 3·4	301·9	304·1	28th	295·6	292·4	28th	298·7	..	..	32	..
	October	..	..	..	..	1020·6	+ 4·5	301·7	304·1	10th	295·7	293·0	8th	298·7	..	..	34	..
	November	..	..	..	..	1016·9	+ 0·5	299·7	303·0	11th	293·1	288·0	26th	296·4	..	..	189	..
	December	..	..	..	..	1020·3	+ 1·4	298·2	300·2	4th	291·7	284·7	17th	294·9	..	..	14	..
	Year	..	..	..	..	1010·8	− 5·6	295·8	299·1	1st	289·8	285·8	6th	292·8	..	..	142	..
						1017·3	− 0·4	..	304·1	{Aug. 28 Sept. 10}	..	..	..	..	..	..	..	..
601	1918. Midway Island	N.	W.	5·8														
	January	28 15	177 22															
	February	..	..	..	..	1013·9	− 2·0	295·2	297·4	23rd	289·2	280·8	20th	292·2	..	..	208	..
	March	..	..	..	..	1017·6	+ 1·8	293·8	297·4	13th	288·4	283·0	19th	291·1	..	..	92	..
	April	..	..	..	..	1018·6	− 0·1	294·3	296·9	19th	289·1	285·8	21st	291·7	..	..	83	..
	May	..	..	..	..	1022·0	+ 1·7	295·4	298·0	20th	289·4	287·4	29th	292·4	..	..	12	..
	June	..	..	..	..	1019·6	+ 1·1	297·2	300·8	31st	289·3	285·2	21st	293·3	..	..	25	..
	July	..	..	..	..	1018·3	+ 0·3	301·3	303·0	26th	293·2	286·3	6th	297·2	..	..	9	..
	August	..	..	..	..	1017·9	− 1·0	302·6	304·7	20th	295·2	292·4	1st	298·9	..	..	72	..
	September	..	..	..	..	1017·6	− 0·3	301·6	302·4	24th	295·6	291·9	29th	298·6	..	..	143	..
	October	..	..	..	..	1014·9	− 1·2	301·4	303·6	19th	295·3	292·4	26th	298·3	..	..	189	..
	November	..	..	..	..	1017·3	+ 0·9	299·5	303·0	11th	292·7	289·7	3rd	296·1	..	..	254	..
	December	..	..	..	..	1020·6	+ 1·7	297·4	299·7	2nd	291·3	286·9	20th	294·4	..	..	18	..
	Year	..	..	..	..	1020·6	+ 4·2	296·6	298·6	16th	290·0	285·2	28th	293·3	..	..	39	..
						1018·2	+ 0·5	298·1	304·7	July 20	291·6	280·8	Jan. 20	294·8	..	..	1144	..

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
601	Midway Island . . .	Washington, D.C., U.S. Dept. Agric., Monthly Weather Rev., 53, 1925, p. 357.	**P**, 1912–24.	**P** = 18½ h.

			Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1915–1918.															
723. *Caracas.* Pressure, Mean at Level of Station, M.S.L., and differences from normal *should read* :—															
1915	Stat. Lev.	mb.	..	..	..	..	..	897·1	898·9	898·0	897·5	896·9	897·6	898·4	897·4
		Diff.	..	..	..	..	..	−2·4	−1·0	−1·4	−1·2	−1·1	0·0	0·0	−1·4
1916	Stat. Lev.	mb.	898·7	898·6	898·9	898·6	898·8	898·2	899·6	899·8	899·1	897·9	897·8	899·3	898·8
	M.S.L.	Diff.	−0·4	−0·8	−0·1	+0·1	+0·2	−1·3	−0·3	+0·4	+0·4	−0·1	+0·2	+0·9	0·0
1917	Stat. Lev.	mb.	900·3	901·2	900·7	898·9	899·9	900·6	900·2	900·3	899·3	899·1	898·4	898·5	899·8
	M.S.L.	Diff.	+1·2	+1·8	+1·7	+0·4	+1·3	+1·1	+0·3	+0·9	+0·6	+1·1	+0·8	+0·1	+1·0
1918	Stat. Lev.	mb.	900·2	900·4	899·9	898·5	899·4	899·5	900·0	900·6	900·0	898·5	898·7	899·7	899·6
	M.S.L.	Diff.	+1·1	+1·0	+0·9	0·0	+0·8	0·0	+0·1	+1·2	+1·3	+0·5	+1·1	+1·3	+0·8
1916–1917.															
940. *Brazzaville.* Pressure, Mean at Level of Station, M.S.L., and differences from normal *should read* :—															
1916	M.S.L.	mb.	1011·8	1011·4	1010·6	1012·3	1011·8	1014·2	1015·5	1014·8	1013·6	1012·4	1012·2	1012·9	1012·7
1917	Stat. Lev.	mb.	975·8	975·8	975·8	975·3	975·7	977·2	977·7	977·7	977·2	976·0	975·2	974·5	976·2
	M.S.L.	mb.	1012·0	1011·9	1011·9	1011·4	1012·0	1013·8	1014·4	1014·3	1013·6	1012·3	1011·5	1010·8	1012·5
		Diff.	+1·0	+0·6	+1·1	+1·0	+0·1	−0·4	−0·7	+0·1	+0·8	+0·3	−0·2	−0·8	+0·2
1916–1918.															
1123. *Catamarca.* Pressure, Mean at Level of Station *to be inserted.* Mean at M.S.L., and differences from normal *should read* :—															
1916	Stat. Lev.	mb.	949·2	951·8	951·2	952·6	954·5	958·4	957·8	956·5	951·6	950·8	946·6	946·6	952·3
	M.S.L.	mb.	..	..	..	..	..	..	..	1015·6	1009·3	1007·9	1002·8	1003·1	1010·0
		Diff.	−0·9	+0·8	−1·1	−1·7	+0·3	+5·5	+3·1	+0·6	−2·3	−1·9	−3·7	−2·2	−0·3
1917	Stat. Lev.	mb.	946·8	949·7	951·3	952·2	957·0	954·2	957·0	956·2	951·8	952·0	950·8	946·5	952·1
	M.S.L.	mb.	1003·0	1006·6	1008·6	1009·9	1016·5	1013·9	1017·0	1015·6	1009·8	1009·7	1007·9	1002·7	1010·1
		Diff.	−2·7	−0·6	−0·1	−1·4	+4·1	−0·8	+2·1	+0·6	−1·8	−0·1	+1·4	−2·6	−0·2
1918	Stat. Lev.	mb.	947·8	951·0	950·1	950·0	952·4	953·3	952·5	953·8	951·8	950·0	945·7	948·4	950·6
	M.S.L.	mb.	1004·5	1008·3	1007·4	1007·6	1011·4	1013·0	1011·9	1012·6	1010·2	1007·4	1002·4	1005·0	1008·5
		Diff.	−1·2	+1·1	−1·3	−3·7	−1·0	−1·7	−3·0	−2·4	−1·4	−2·4	−4·1	−0·3	−1·8
1125. *Goya.* Pressure, Mean at Level of Station *to be inserted.* Mean at M.S.L., and differences from normal *should read* :—															
1916	Stat. Lev.	mb.	1005·3	1007·3	1008·5	1009·7	1011·7	1016·5	1016·6	1014·1	1009·0	1011·4	1005·7	1005·2	1010·1
	M.S.L.	mb.	..	..	..	..	..	..	..	1017·2	1012·0	1014·4	1008·7	1008·2	1013·1
		Diff.	−0·8	−0·3	−0·2	−1·3	−1·4	+2·1	+3·1	+0·8	−3·6	+1·0	−2·0	−1·1	−0·3
1917	Stat. Lev.	mb.	1004·4	1006·9	1009·6	1011·0	1017·2	1014·0	1015·8	1015·8	1010·9	1011·3	1009·2	1003·3	1010·8
	M.S.L.	mb.	1007·3	1009·8	1012·6	1014·0	1020·3	1017·1	1018·9	1018·9	1013·9	1014·3	1012·2	1006·2	1013·8
		Diff.	−1·5	−0·7	+0·8	0·0	+4·2	−0·4	+2·2	+2·5	−1·7	+0·9	+1·5	−3·1	+0·4
1918	Stat. Lev.	mb.	?1004·8	1008·1	1008·5	1009·6	1012·0	1012·0	1012·8	1013·4	1010·5	1009·7	1005·6	1006·6	1009·5
	M.S.L.	mb.	?1007·7	1011·1	1011·5	1012·6	1015·1	1015·1	1015·9	1016·5	1013·6	1012·7	1008·6	1009·6	1012·5
		Diff.	−1·1	+0·6	−0·3	−1·4	−1·0	−2·4	−0·8	+0·1	−2·0	−0·7	−2·1	+0·3	−0·9
1918.															
524. *Bermuda.* Pressure, Mean at Level of Station, M.S.L., and differences from normal *should read* :—															
	Stat. Lev.	mb.	1008·3	1017·1	1012·9	1012·0	1016·2	1011·5	1014·3	1013·2	1011·6	1013·3	1009·1	1014·5	1012·8
	M.S.L.	mb.	1013·8	1022·6	1018·4	1017·5	1021·6	1016·9	1019·7	1018·5	1017·0	1018·7	1014·5	1020·0	1018·2
		Diff.	−5·6	+4·3	+0·9	+0·3	+3·9	−2·0	−0·7	−0·3	−0·2	+2·5	−2·8	+1·2	+0·1

Additions and Corrections—continued.

1915 :—

357. *Irkutsk.* Temperature : 24 hr. mean and difference from normal.
October, *for 276·0* : +2·5 *read 270·0* : −3·5.
Year, *for 271·6* : −0·5 *read 271·1* : −1·0.

1916 :—

1123. *Catamarca.* August to December and Year, Height : *for* 529 m. *read* 510 m.
1125. *Goya.* August to December and Year, Height : *for* 38 m. *read* 26 m.
1424*a*. *Año Nuevo.* Year, Precipitation : *for* 499 *read* 599.

1916–1917 :—

940. *Brazzaville.* Height : *for* 290 m. *read* 320 m.

1916–1918 :—

723. *Caracas.* Height : *for* ‡1010 m. *read* 1042 m. Table of Authorities : Remarks :—The notes on Hb *should be deleted.*

1917 :—

723. *Caracas.* September, Temperature : 24 hr. mean and difference from normal :—*for ? 293·3* : −0·2 *read 291·8* : −1·7.
1123. *Catamarca.* Height : *for* 529 m. *read* 510 m.

1918 :—

338*a*. *Hamburg.* Table of Authorities : Remarks :—*for* ½ [5 (8+20)+2×14] *read* 1½ [5 (8+20)+2×14].
633. *Izaña.* October, Temperature : 24 hr. mean :—*for 279·5 read 279·5.*
723. *Caracas.* March, Temperature : 24 hr. mean and difference from normal :—*for 291·6* : −0·4 *read 289·6* : −2·4.
844. *Entebbe.* Table of Authorities : Period of Normals :—*for* **R**, 24 yrs., 1906–20 *read* **R**, 24 yrs., 1896–1920.
965. *Daru.* Table of Authorities : Authority for Current Data :—*for* 1917–18 *read* 1918–19.
970. *Ocean Island.* Table of Authorities : Period of Normals :—*for* **T** *read* 𝕋.
1324. *Puerto Madryn.* Table of Authorities : Period of Normals :—*for* **T** *read* 𝕋.

RÉSEAU MONDIAL, JANUARY 1919.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JANUARY 1919 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. — JANUARY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	N. 71 23	W. 156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1004·6	1007·2	+ 1·6	253·9	263·3	8th, 11th	246·5	239·5	28th	250·2	*249·8*	—1·2	0	—12
139	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1011·6	1013·1	+ 6·2	..	275·8	23rd	262·2	246·1	6th	..	265·5	+10·6	30	— 1
140																		
141	Gjesvaer																	
142	Mehavn	71 6	25 22	6·5	1014·4	1015·2	+12·4	..	278·7	24th	268·0	262·2	13th	..	*270·4*	+1·0	47	— 3
143	Vardö	71 1	27 47	6·4	1015·2	1016·0	+14·6	..	278·0	8th	266·9	258·6	14th	..	*269·4*	+1·1	26	— 45
147		70 22	31 8	10·0	1017·4	1018·7	+13·9	..	275·8	8th	266·5	258·6	21st	..	*268·9*	+1·4	16	— 54
148	Malye Karmakouly																	
157	Waigatz	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Maudhavn	77 33 N.	105 40 E.	2·5	1027·4	1027·8	+14·3	..	263·0	25th	241·0	229·7	15th	..	*243·0*	..	..	..

Between Latitude 70° N. and 60° N. — JANUARY—ZONE 2.

		N.	W.															
202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1004·4	— 7·8	254·6	271·9	1st	248·7	229·1	25th	251·6	*251·7*	—5·6	8	— 13
204	Candle	65 55	161 57	7·4	..	..	..	248·7	271·9	3rd	243·1	221·9	28th, 29th	245·9	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1003·7	—14·8	250·4	267·4	9th	244·1	218·6	29th	247·2	*247·2*	—0·6	3	— 10
206	Rampart	65 30	150 15	122	..	..	..	250·0	263·6	1st, 10th	242·4	220·2	29th, 30th	246·2	..	..	17	+ 4
207																		
208	Valdez																	
209	Eagle	61 7	146 16	8·2	..	998·6	— 9·7	267·7	275·8	9th	261·4	247·4	18th	264·6	*264·8*	—0·7	86	— 4
210	Dawson	64 46	141 12	254	..	1005·1	—13·8	253·6	269·7	9th	244·9	226·3	30th	249·2	..	+3·0	6	— 5
211	Carcross	64 4	139 20	328	965·0	1009·4	—13·3	249·7	265·8	10th	243·0	228·6	31st	246·3	..	+3·8	28	+ 6
212	Fort Good Hope	60 11	134 34	662	..	..	..	264·2	277·4	2nd	253·6	238·6	19th, 20th	258·9	..	+5·9	15	+ 2
	Fort Simpson	66 25	128 53	65·2	1004·6	1014·0	..	244·1	254·1	4th	237·4	226·3	20th	240·8	..	..	24	+ 6
213	Hay River	61 52	121 35	129	992·4	1010·3	..	251·9	260·2	10th	243·6	228·6	20th	247·7	..	+3·1	20	+ 6
225																		
226	Jacobshavn	60 51	115 20	161	987·1	1008·9	..	256·9	271·9	7th	245·2	234·1	1st	251·1	..	+5·3	30	..
227	Godthaab	69 13	51 2	12·6	1001·8	1003·5	— 0·8	259·6	278·1	31st	250·3	238·7	23rd	254·9	*254·9*	—0·1	1	— 8
229	Ivigtut	64 11	51 43	9·0	994·7	995·9	— 2·4	268·2	282·4	31st	261·9	251·2	6th	265·1	*264·9*	+1·9	..	..
	Angmagsalik	61 12	48 10	5·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
231																		
232	Stykkisholm	65 37	37 33	31·7	992·2	996·2	— 0·5	?271·3	?276·4	19th	?264·9	?255·8	8th, 25th	?268·1	*268·9*	+3·7	95	+ 8
233	Vestmanno	65 5	22 46	11·3	999·6	1001·0	+ 3·8	275·3	280·5	13th, 21st	269·7	263·5	27th	272·5	*272·4*	+1·6	49	— 25
234	Grimsey	63 20	20 15	7·7	997·8	998·8	+ 1·4	277·0	281·9	22nd	272·7	265·4	27th	274·9	*274·8*	+0·3	238	+ 92
235	Berufjord	66 33	17 58	22	998·8	1001·5	+ 2·0	274·3	279·6	22nd	270·4	262·9	27th	272·3	*272·5*	+1·3	..	..
236	Thorshavn	64 40	14 19	18·0	999·2	1001·4	+ 2·6	275·1	283·0	22nd	269·4	262·9	28th	272·3	*272·6*	+0·6	71	— 58
	Lerwick	62 3	6 45	26·3	999·2	1002·4	— 1·8	277·7	282·7	22nd	273·8	268·7	1st	275·7	*275·9*	—0·4	114	— 61
237																		
238	Bergen (Met. Obs.)	60 9	W 1 8	147	986·5	1004·5	— 2·1	277·8	280·8	24th	274·9	270·2	1st	276·3	*276·9*	..	81	..
239	Christiansund	60 24	E 5 19	44·4	1004·3	1009·8	— 0·2	277·0	283·2	8th	273·3	269·3	22nd	275·1	*275·4*	+1·0	107	— 61
240	Trondhjem	63 7	7 45	17·8	1008·3	1010·5	+ 3·4	..	283·0	9th	272·5	266·5	12th	..	*275·3*	+0·6	25	— 87
241	Bodö	63 26	10 25	39·5	1008·3	1013·3	+ 5·3	273·6	280·2	7th	268·2	261·3	22nd	270·9	*271·5*	+1·2	6	— 100
242	Haparanda	67 17	14 24	22·4	1011·1	1013·9	+ 8·7	..	279·8	9th	269·9	265·0	22nd	..	*272·6*	+1·2	17	— 73
242a	Helsingfors	65 50	24 9	9·2	1020·1	1021·3	+11·1	267·6	274·1	7th	260·4	246·0	20th	264·0	*264·3*	+2·6	27	— 12
	Kuopio	60 10	24 57	11·7	1020·6	1022·2	+ 7·8	271·6	276·2	17th	267·7	256·4	2nd	269·6	269·9	+2·6	53	+ 11
243		62 54	27 40	90·3	1011·5	1023·2	+ 9·8	268·0	274·3	8th	?260·8	247·8	20th	?264·4	*265·9*	+2·2	38	— 8
244	Kola																	
245	Petrozavodsk	68 53	33 1	6·7	1021·4	1022·3	+15·5	265·4	275·2	8th	257·7	242·4	21st	261·5	*262·4*	+1·0	14	+ 2
246	Arkhangelsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Mezen	64 35	40 36	6·2	1026·6	1027·4	+15·5	263·4	274·1	9th	255·6	240·0	13th	259·5	*259·3*	—0·2	21	— 2
248	Oust-Tsylma	65 50	44 16	12·6	1025·6	1027·3	+16·5	260·3	274·5	19th	252·9	233·4	13th	256·6	*256·8*	—1·3	14	+ 4
	Tcherdyn	65 25	52 14	? 70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249		60 24	56 31	?177	1008·7	1033·1	+13·2	..	271·4	10th	..	235·2	4th	..	*251·8*	—2·4	34	+ 2
250	Berezov																	
251	Obdorsk	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
253		61 15	73 24	? 40	1023·5	1029·2	+ 7·8	..	263·0	21st	241·6	226·3	19th	..	*245·9*	—3·2	19	+ 4
254	Doudinka																	
	Touroukhansk	69 23	86 4	20	1026·4	1029·1	+10·7	..	254·3	3rd	237·2	223·2	14th	..	*241·1*	..	3	..
263		65 47	87 57	45	1027·8	1034·4	+12·1	..	257·0	4th	235·3	223·5	16th, 20th	..	*238·9*	—5·5	10	— 4
263	Iakoutsk																	
	Verkhoïansk	62 1	129 43	108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271		67 33	133 23	100	1017·4	1033·0	+10·0	..	242·7	27th	221·2	216·4	13th	..	*223·8*	+1·3	2	— 2
272	Markovo-sur-Anadyr	64 45	170 50	25·9	1019·0	1022·7	+ 5·9	243·5	267·3	2nd	234·6	220·3	28th	239·0	‡*239·3*	—5·8	5	— 2
	Novo-Mariinskii Post	64 45	177 33	22·7	1016·4	1019·5	+ 5·1	242·8	268·7	1st	239·9	228·2	29th	241·4	‡*242·6*	—7·2	1	— 8
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

JANUARY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1000·7	— 4·6	260·5	274·1	3rd	255·8	240·8	27th	258·2	..	..	8	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	996·9	— 6·7	270·8	278·0	3rd	265·5	258·6	21st, 25th	268·2	..	—5·5	..	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	993·9	— 9·8	272·1	279·1	5th	265·7	251·9	27th	268·9	..	..	‡88	..
309	Sitka	57 3	135 19	27·4	..	1000·7	— 7·9	277·7	283·0	6th	271·8	265·8	19th	274·8	*274·8*	+2·0	263	..
310	Prince Rupert	54 18	130 18	51·8	997·8	1004·2	— 7·3	278·6	286·9	9th	274·1	268·6	17th	276·3	*276·2*	+2·3	344	..
311	Barkerville	53 2	121 35	1274	863·7	1012·6	— 6·0	271·9	276·3	8th, 9th	265·2	255·2	29th	268·6	*268·7*	+4·2	58	..
312	Kamloops	50 42	120 29	385	974·2	1022·0	— 1·0	275·2	283·0	28th	269·1	258·0	1st	272·2	*272·2*	+4·5	8	..
313	Calgary	51 2	114 2	1045	889·1	1011·1	— 9·7	278·6	285·8	28th	266·3	258·6	1st	272·4	*271·9*	+10·9	9	..
314	Fort Chipewyan	58 42	111 10	218	981·9	1010·8	..	261·3	280·2	7th	248·6	235·8	1st	254·9	*254·6*	+6·3	17	..
315	Prince Albert	53 10	105 38	442	957·3	1013·4	— 6·6	267·4	280·2	7th	256·9	235·8	2nd	262·2	*262·2*	+10·3	24	..
316	Qu'Appelle	50 30	103 47	645	933·3	1013·2	— 5·1	270·8	279·1	19th	259·7	236·9	2nd	265·2	*264·8*	+10·3	18	..
317	Minnedosa	50 15	99 50	515	949·9	1015·3	— 4·9	266·3	276·3	19th	254·7	235·8	3rd	260·5	*260·5*	+6·6	19	..
318	Berens River	52 18	97 23	216	..	..	..	262·1	273·0	8th, 24th	252·6	235·8	3rd	257·3	..	+6·1	53	..
318*a*	Port Nelson	57 4	92 36	14·9	1012·8	1014·8	— 1·5	253·6	266·3	25th	243·6	231·9	7th	248·6	..	+4·5	24	..
319	Fort Hope	51 33	87 49	‡260	981·2	1013·9	..	260·8	272·4	21st	249·7	234·1	1st, 3rd	255·2	*254·9*	+3·3	28	..
320	Moose Factory	51 14	80 30	9·1	1011·4	1012·6	— 5·0	263·6	274·7	21st	250·2	237·4	4th	256·9	..	+3·7	20	..
321	Fort George	53 50	79 5	97·5	..	..	..	254·8	269·1	21st	244·9	234·1	7th	249·9	*250·1*	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	260·8	270·8	22nd	247·3	232·4	10th	254·1	..	+2·2	37	..
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	263·8	274·1	3rd	252·1	241·3	22nd	257·9	..	—1·2	47	..
326	Belle Isle	51 53	55 23	133	987·5	1004·9	— 2·2	265·1	274·1	25th, 26th	252·8	238·0	12th	258·9	*259·8*	—1·2	..	..
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1004·0	1005·7	— 8·2	281·1	284·1	1st	277·1	271·9	4th	279·1	279·3	—0·8	208	..
335	Aberdeen	57 10	W 2 6	26·8	1001·1	1004·4	— 6·0	278·1	280·8	9th	274·6	270·8	13th	276·4	276·7	+0·1	89	..
336	Greenwich	51 28	0 0	46·3	1003·0	1008·8	— 8·3	278·7	285·2	15th	273·7	269·1	23rd	276·2	276·3	—0·4	64	..
337	Uccle	50 48	E 4 22	100	998·3	1010·8	— 6·2	277·8	282·9	15th	272·8	266·9	31st	275·3	275·3	+0·6	51	..
338	De Bilt	52 6	5 11	3·0	1010·7	1011·1	— 4·9	277·7	282·9	16th	272·5	263·8	31st	275·1	274·9	+0·7	50	..
338*a*	Hamburg	53 33	9 58	26·0	1010·3	1013·5	— 4·1	276·8	282·0	16th	272·8	263·4	30th	274·8	*274·6*	+1·6	37	..
339	Copenhagen	55 41	12 36	5·0	1013·9	1014·5	— 0·7	275·9	279·8	16th	273·5	270·3	28th	274·7	*275·0*	+1·9	38	..
340	Potsdam	52 23	13 4	84·9	1004·3	1015·1	— 2·6	276·0	282·7	8th	271·3	260·5	30th, 31st	273·7	273·3	+1·3	45	..
340*a*	Upsala	59 51	17 36	24	1014·7	1017·7	+ 4·9	272·3	276·3	6th	268·6	257·5	31st	270·4	270·6	+1·6	17	..
341	Warsaw	52 13	21 1	133	1002·7	1019·5	+ 0·9	273·6	282·0	7th	270·0	260·9	29th	271·8	271·7	+2·3	14	..
342	Dorpat (Jurjev)	58 23	26 43	74·5	1014·4	1024·1	+ 8·9	269·9	276·2	17th	266·0	258·1	27th	267·9	268·1	+1·7	..	..
343	Petrograd	59 56	30 16	4·8	1024·2	1024·8	+ 9·5	269·6	276·4	17th	265·5	258·9	20th	267·6	*267·7*	+2·9	10	..
344	Kiev	50 27	30 30	183	1002·2	1025·8	+ 5·3	270·3	279·1	7th, 8th	266·4	253·4	31st	268·4	*268·4*	+1·5	17	..
344*a*	Moscow,	55 50	37 33	167	1009·0	1031·0	+11·7	266·4	275·2	8th	260·8	245·7	25th	263·6	*263·4*	+0·8	0	..
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1025·8	1036·7	+15·3	261·2	274·7	9th	254·5	241·3	15th	257·8	*257·7*	—1·4	8	..
347	Orenburg	51 45	55 6	109	1023·6	1038·7	+13·6	258·2	273·6	3rd	249·5	233·9	15th	253·8	*254·1*	—3·4	6	..
348	Perm	58 1	56 16	159	1013·5	1035·4	+14·3	..	271·9	10th	249·3	235·3	15th	..	*253·4*	—3·5	47	..
349	Ekaterinburg	56 50	60 38	281	996·0	1034·0	+10·6	258·1	268·6	3rd	250·5	235·8	20th	254·3	*254·5*	—2·0	30	..
350	Tobolsk	58 12	68 14	?108	1017·2	1032·4	+10·9	253·5	265·0	4th	245·2	231·5	15th	249·4	*248·9*	—4·6	..	..
351	Akmolinsk	51 12	71 23	?347	989·2	1037·0	+ 7·7	252·6	269·5	4th	242·5	228·0	16th	247·6	*248·2*	—6·9	20	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	1014·0	1036·9	+ 5·1	252·3	271·6	4th	241·2	225·5	30th	246·8	*247·0*	—7·0	..	..
354	Tomsk	56 30	84 58	122	1016·7	1034·1	+ 6·2	..	268·8	4th	240·7	229·0	25th	..	*245·1*	—8·0	..	..
355	Minousinsk	53 43	91 41	249	1002·8	1037·8	+ 3·2	..	269·2	5th	240·0	225·7	30th	..	*246·0*	..	13	..
356	Eniseisk	58 27	92 10	77·6	1023·5	1034·8	+ 5·7	..	266·8	5th	237·1	217·0	26th	..	*241·8*	—8·3	18	..
357	Irkutsk	52 16	104 19	467	974·0	1038·6	+ 4·8	..	258·2	7th	240·2	230·0	27th	..	*244·9*	—7·1	12	..
358	Kirensk	57 47	108 7	263	1003·1	1041·9	+10·4	236·5	260·0	6th	223·2	211·1	3rd	229·8	*2'4·0*	—11·8	..	..
359	Tchita	52 2	113 30	687	943·6	1038·0	+ 4·2	..	251·5	7th	234·7	228·4	26th	..	*240·6*	—4·7	1	..
360	Nertchinskii Zavod	51 19	119 37	626	949·1	1035·8	+ 2·5	..	248·8	10th	235·6	231·2	14th, 15th	..	*239·4*	—4·0	..	..
361	Tygan Ourkan	54 5	124 46	379	975·9	1028·5	..	249·1	257·8	22nd	237·8	228·9	16th	243·4	*243·4*	..	0	..
362	Blagoveshchensk (Bureau Météor)	50 16	127 30	142	1007·2	1027·2	+ 2·4	251·4	260·1	22nd	241·6	235·3	6th	246·5	*245·9*	—2·1	2	..
363	Paikanskii Sklad	50 11	130 7	145	1006·0	1026·9	..	249·0	258·5	24th	233·2	223·8	4th	241·1	*240·0*	..	2	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1015·0	1017·9	+ 1·2	..	270·2	20th	246·1	230·9	2nd	..	*250·3*	+1·1	23	..
366	Okhotsk	59 21	143 12	6·0	1018·0	1018·8	+ 3·3	251·7	264·5	16th	247·6	238·6	31st	249·6	*250·2*	+1·2	1	..
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1002·8	1004·5	+ 0·4	268·5	273·4	15th	262·2	252·7	13th	265·3	*265·4*	..	90	..
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

JANUARY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1007·4	1016·1	+ 0·8	280·2	284·1	10th, 13th	276·3	273·6	30th	278·3	278·0	+ 1·1	148	+ 33
412	Portland, Oregon	45 32	122 41	46·6	1013·5	1018·9	+ 0·8	281·7	289·1	18th	275·7	268·0	4th	278·7	*278·6*	+ 1·7	231	+ 63
413	Macleod	..	..	..	..	..	..	279·1	285·2	sev. dates	270·4	257·4	1st	274·7	*274·7*	+ 9·2	7	— 10
414	Helena	46 34	112 4	1253	874·1	1020·0	— 0·8	278·1	286·9	18th	268·3	253·6	1st	273·2	*273·4*	+ 7·1	4	— 21
414*a*	Salt Lake City	40 46	111 54	1329	873·1	1025·4	+ 4·3	277·6	285·8	19th	268·4	259·7	1st	273·0	*272·5*	+ 1·2	0	— 34
415	Cheyenne	41 8	104 48	1856	812·6	1020·0	+ 1·6	278·7	288·6	10th	267·1	254·1	1st	272·9	*273·0*	+ 3·6	0	— 10
416	North Platte	41 8	100 45	859	919·0	1022·0	+ 1·6	277·9	289·7	29th	264·4	245·8	3rd	271·1	*270·5*	+ 3·4	1	— 10
416*a*	Bismarck	46 47	100 38	511	954·7	1017·6	— 3·2	275·1	284·1	19th	262·5	235·8	1st	268·8	*268·6*	+ 9·7	2	— 11
417	Winnipeg	49 53	97 7	232	984·4	1014·5	— 5·3	265·8	275·8	24th	256·9	239·1	3rd	261·3	*261·1*	+ 8·5	5	— 16
418	Duluth	46 47	92 6	345	972·3	1015·6	— 3·1	268·8	276·9	8th	261·3	243·0	3rd	265·1	*264·9*	+ 5·5	12	— 17
419	Port Arthur	48 27	89 12	196	989·5	1014·7	— 2·7	269·7	276·3	21st, 22nd	259·1	243·0	3rd, 4th	264·4	*264·3*	+ 6·3	7	— 12
420	Chicago	41 53	87 37	251	987·3	1018·3	— 0·5	275·8	284·1	20th	269·0	249·1	4th	272·4	*272·8*	+ 3·8	5	— 48
421	Toronto	43 40	79 24	116	1001·7	1016·5	— 1·0	275·8	281·3	22nd	267·4	255·2	10th	271·6	*271·1*	+ 4·1	26	— 47
422	New York (Central Park)	40 46	73 58	30·2	1012·8	1016·6	— 1·3	278·4	289·1	2nd	271·6	260·8	12th	275·0	*275·2*	+ 2·7	89	0
423	St. John, N.B.	45 17	66 4	36·2	1007·3	1011·9	— 3·7	271·9	280·8	2nd	263·6	248·6	12th	267·7	*267·6*	+ 1·8	142	+ 20
424*a*	S.W. Point, Anticosti	49 24	63 33	9·1	1008·8	1010·0	— 1·9	266·9	274·1	2nd	259·7	249·1	11th	263·3	*263·3*	+ 0·9	114	+ 59
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1012·6	1013·6	— 1·1	275·2	284·1	4th	270·2	259·7	12th	272·7	*272·7*	+ 0·4	116	— 26
425	Port aux Basques	47 35	59 10	9·1	1007·6	1008·8	— 2·5	270·8	276·9	25th	265·8	254·1	12th	268·3	*268·4*	+ 1·1	177	+ 30
426	St. John's, Newfoundland	47 34	52 42	38·1	1002·2	1007·0	— 2·8	273·6	287·4	4th	265·8	255·2	12th	269·7	*269·9*	+ 1·0	156	+ 10
435	Madrid	40 24	3 41	655	938·9	1017·1	— 4·8	282·4	288·5	18th	272·9	267·0	26th	277·7	277·1	— 0·1	32	— 1
436	Nantes	47 15	W 1 34	36·5	1006·2	1010·7	— 7·5	280·1	284·9	15th	275·2	270·2	25th	277·6	277·5	0·0	204	+ 146
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1005·9	1012·2	— 6·2	278·1	283·4	15th	273·8	268·6	20th	275·9	275·8	+ 0·5	74	+ 35
438	Marseilles	43 18	5 23	75	..	1011·5	— 5·5	283·1	286·6	5th	275·1	269·6	26th	279·1	*278·9*	— 0·4	123	+ 69
438*a*	Zürich	47 23	8 33	493	954·7	1014·9	— 6·8	276·6	287·6	5th	271·6	266·3	22nd	274·1	273·8	+ 2·3	23	— 30
439	Rome	41 54	12 27	45	1005·4	1010·7	— 6·7	285·1	288·8	7th	278·7	274·6	31st	281·9	*281·6*	+ 1·6	109	+ 30
440	Vienna	48 15	16 22	203	990·6	1015·8	— 4·8	275·9	286·2	6th	272·9	265·3	31st	274·4	274·4	+ 3·6	44	+ 7
440*a*	Buda-Pesth	47 31	19 2	130	1000·8	1017·0	— 4·0	277·5	285·8	8th	273·9	271·7	30th, 31st	275·7	*275·3*	+ 4·1	49	+ 11
441	Sofia	42 42	23 20	550	952·0	1019·2	— 1·9	276·7	280·9	8th	271·6	265·0	30th	274·1	*273·9*	+ 2·8	32	— 3
442	Bucharest	44 25	26 5	82	1010·1	1020·5	— 1·1	276·6	285·6	3rd	271·9	265·1	30th	274·2	273·9	+ 4·4	49	+ 18
443	Odessa (University)	46 26	30 46	42·8	1016·3	1021·7	+ 0·6	275·4	283·6	1st	271·9	264·5	31st	273·6	*273·4*	+ 3·6	7	— 19
444	Kharkov (University)	50 0	36 14	140	1010·4	1028·7	+ 6·3	268·6	275·9	1st	264·6	251·9	27th	266·6	*266·5*	+ 1·3	7	— 27
444*a*	Novorossiisk	44 44	37 49	37·1	1015·2	1019·8	— 0·1	283·4	290·6	10th	275·3	266·0	31st	279·4	*279·3*	+ 4·2	22	— 48
445	Tiflis	41 43	44 48	404	976·7	1026·4	+ 2·9	279·0	286·7	5th	273·7	269·8	10th	276·4	*276·1*	+ 2·9	10	— 5
446	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 16	— 18·0	1031·5	1029·2	+ 5·4	?272·3	..	..	..	..	..	?267·2	..	..	?269·8	?269·6	+ 0·8	0	— 9
448	Krasnovodsk	40 0	52 59	— 17·2	1029·2	1027·1	+ 4·1	276·5	282·6	1st	271·1	262·9	31st	273·8	*273·6*	— 1·8	2	— 12
449	Aralskoe More	46 47	61 42	56	1029·6	1037·4	+11·2	259·0	271·1	2nd, 5th	249·9	236·9	15th	254·4	*254·3*	—3·2	12	..
450	Tachkent	41 26	76 2	?2015	798·4	..	..	..	263·4	12th	245·0	236·0	29th	..	*250·6*	— 5·3	17	..
451	Narynskoe	43 16	76 53	841	..	..	..	261·4	..	..	248·1	..	..	254·8	*254·9*	..	?26	..
452	Vernyi	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1023·9	1029·8	+ 1·9	263·6	275·4	7th	252·9	246·6	19th	258·3	257·7	— 1·8	3	— 1
462	Joshin	40 40	129 11	4·0	1022·3	1022·8	+ 0·9	269·9	275·0	8th	258·9	248·4	20th	264·4	264·4	— 2·3	59	+ 34
463	Yuki	42 20	130 24	65·6	1015·2	1024·0	..	264·4	272·8	23rd	257·4	250·6	20th	260·9	261·0	..	13	..
464	Vladivostok	43 7	131 55	128	1007·1	1024·5	+ 0·9	259·1	267·5	8th	251·3	242·9	5th	255·2	254·8	— 4·5	21	+ 14
465	Ochiai	47 20	142 46	6·6	1010·2	1011·1	— 4·2	264·0	272·7	20th	251·8	237·5	30th	257·9	258·9	— 0·2	40	— 2
466	Nemuro	43 20	145 35	26·7	1007·3	1010·7	— 1·3	270·5	279·6	2nd	263·7	259·3	4th	267·1	267·3	— 0·8	38	+ 3
466*a*	Syana	45 14	147 53	39·3	1003·1	1008·1	— 2·6	269·6	278·4	2nd	263·6	255·9	31st	266·6	266·6	— 1·0	73	— 25
		N.	E.															

Between Latitude 40° N. and 30° N.

JANUARY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1015·9	1021·7	+ 2·0	287·4	290·2	29th	279·9	275·8	1st	283·7	*283·4*	+0·7	65	— 60
512	San Luis Obispo	35 18	120 39	61·3	1013·5	1021·0	+ 1·4	292·6	298·6	28th	277·4	270·2	2nd	285·0	*284·0*	—0·2	38	— 102
513	San Diego	32 43	117 10	26·5	1015·4	1018·6	+ 0·4	292·2	298·0	9th	281·2	274·7	1st	286·7	*286·6*	+1·4	15	— 41
514	Modena	37 48	113 54	1670	837·4	1025·0	+ 4·7	277·6	285·2	17th	261·4	245·2	1st	269·5	*268·7*	—1·7	8	— 18
515	Santa Fé	35 41	105 57	2138	787·4	1023·7	+ 5·1	274·3	280·8	10th	263·2	249·7	2nd	268·8	*268·3*	—2·8	3	— 15
516	Denver	39 45	105 0	1613	838·1	1021·0	+ 3·2	280·6	287·4	23rd	267·8	248·6	1st	274·2	*274·0*	+2·6	3	— 8
517	Abilene	32 23	99 40	530	959·3	1022·3	+ 2·7	283·5	293·6	12th	273·2	265·2	1st	278·3	*277·8*	—1·1	75	+ 56
518	Saint Louis	38 38	90 12	173	999·3	1020·3	0·0	280·8	289·7	20th	271·7	253·6	3rd	276·2	*276·2*	+3·8	3	— 62
519	Mobile	30 41	88 2	17·4	1018·9	1021·0	+ 0·2	287·6	292·4	1st	277·9	264·7	4th	282·8	*282·5*	—0·4	167	+ 51
520	Nashville	36 10	86 47	166	1002·1	1022·3	+ 1·2	282·5	291·3	30th	272·4	258·0	4th	277·5	*277·4*	+1·1	120	+ 1
521	Charleston	32 47	79 56	14·6	1018·4	1020·0	— 1·1	288·1	294·1	23rd	279·1	267·4	4th	283·6	*283·3*	+0·7	43	— 39
522	Washington	38 54	77 3	34·1	1014·9	1019·3	— 0·9	281·0	290·8	1st	271·8	261·3	5th	276·4	*275·9*	+2·4	88	+ 2
523	Bermuda	32 17	64 46	46·0	1013·0	1018·5	— 1·4	293·6	296·3	4th, 5th	288·0	283·6	30th	290·8	*290·5*	+0·2	167	+ 57
524	Santa Cruz (Flores)	39 27	31 9	28	1018·0	1021·1	+ 0·3	290·8	292·6	1st	285·2	282·1	13th	288·0	*288·2*	+0·8	297	+ 77
531	Horta	38 32	28 38	65	1014·4	1021·9	+ 0·4	290·0	292·1	19th	286·5	283·4	9th	288·2	288·2	+0·5	200	+ 81
532	Ponta Delgada	37 44	25 40	22	1020·8	1022·7	+ 0·7	290·1	291·2	18th	287·1	284·4	9th	288·6	288·7	+1·2	..	..
532*a*	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	87	— 27
533	Madeira (Funchal)	32 37	16 54	25	1020·8	1023·8	+ 2·0	291·7	294·1	7th	286·8	283·8	26th	289·2	*289·3*	+0·6	4	— 87
534	Lisbon	38 43	9 9	95	1008·0	1019·6	— 1·7	286·5	288·5	31st	281·8	277·1	25th	284·1	*284·1*	+0·8	85	— 9
535	Gibraltar	36 6	5 21	16·2	1016·9	1018·8	— 2·4	288·2	290·8	30th	280·6	277·4	25, 26, 27	284·4	*284·7*	—1·3	83	— 46
536	Melilla	35 18	2 59	8	‡1017·3	‡1018·3	— 2·1	289·0	292·8	16th	279·5	276·9	2nd	284·2	*284·8*	—3·3	50	— 43
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

JANUARY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34 N.	2 39 E.	23	1010·6	1013·4	— 5·9	285·7	289·2	4th	278·8	274·4	20th	282·2	..	—1·3	57	..
538	Algiers (Bouzaréah)	36 48	3 2	343	973·9	1014·8	— 5·4	284·5	288·8	5th	280·2	278·2	24th	282·3	282·2	—0·2	107	..
539	Tunis	36 48	10 10	21	1010·7	1013·2	..	286·6	291·0	4th	279·3	276·0	12th	282·9	*282·3*	—0·4	74	..
539*a*	Malta	..	..	..	..	1010·5	— 7·1	288·2	291·0	2nd, 3rd	283·5	277·4	21st	285·8	285·4	—0·1	91	..
540	Riposto	37 41	15 14	14·2	..	1013·4	— 5·6	287·7	290·6	5th, 6th	282·4	280·5	31st	285·1	*284·4*	+0·2	73	..
541	Athens	37 58	23 43	107	1001·1	1014·1	— 3·9	287·3	290·4	2nd	281·6	278·2	28th	284·4	284·2	+3·0	99	..
542	Alexandria	31 12	29 53	32·0	1012·0	1015·8	— 2·8	293·5	296·7	15th	284·3	281·3	30th	288·9	*288·2*	+1·4	30	..
543	Cairo (Helwan)	29 52	31 20	116	1002·6	1016·6	— 2·2	293·2	297·2	27th	282·4	279·2	31st	287·8	287·4	+1·7	29	..
544	Nicosia (P.W.D.)	35 9	33 22	159	..	1016·4	— 0·8	289·1	291·9	10th	279·3	275·8	26th	284·2	..	+2·1	58	..
544*a*	Beirut	33 54	35 28	33·7	..	1016·5	— 0·7	290·7	293·0	9th	285·9	282·7	12th	288·3	*288·1*	+2·2	152	..
545	Baghdad	33 21	44 28	38·1	..	1019·5	— 1·5	289·6	292·4	9th	282·1	277·0	29th	285·8	*285·9*	+3·5	83	..
546	Busrah	30 31	47 53	7·6	1019·0	1020·2	— 1·7	291·4	295·6	13th	282·2	276·9	28th	286·8	..	+2·8	40	..
546*a*	Lenkoran	38 46	48 52	—20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	81	..
548	Meshed	36 16	59 35	946	..	..	..	280·8	284·8	15th	273·3	268·7	29th	277·1	*276·7*	+2·5	..	..
549	Seistan	31 0	61 30	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
550	Quetta	30 11	67 3	1677	..	..	..	285·8	291·1	7th	272·6	268·4	12th	279·2	..	..	18	..
551	Peshawar	34 2	71 37	339	835·6	..	+ 0·7	281·9	287·5	15th	269·5	266·2	11th	275·7	*275·3*	—1·6	22	..
551*a*	Lahore	31 34	74 20	214	980·8	1022·1	+ 1·1	290·6	294·1	4th	276·8	272·9	10th	283·7	*282·6*	—0·1	50	..
552	Simla	31 7	77 8	2205	993·4	1019·5	+ 0·9	292·2	295·6	3rd, 4th	279·1	274·7	14th	285·7	*284·9*	+0·2	57	..
552*a*	Leh	34 10	77 42	3503	782·0	..	+ 1·2	279·9	286·2	..	274·3	268·8	31st	277·1	*276·7*	—0·6	187	..
559	Hankow	30 35	114 17	37·0	664·7	..	+ 0·5	..	..	..	259·6	254·9	14th	..	*‡261·6*	..	7	..
560	Tientsin	39 10	117 10	5·0	1022·9	1027·6	— 0·6	279·5	292·8	7th	273·8	269·6	31st	276·7	*276·3*	—0·8	36	..
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1029·4	1030·1	+ 1·3	269·9	276·3	8th	262·6	254·4	20th	266·3	*266·2*	—2·4	8	..
562	Jinsen (Chemulpo)	37 29	126 37	67·6	..	1025·5	— 1·0	280·2	291·8	7th	273·4	265·0	22nd	276·8	276·5	+0·3	81	..
562*a*	Nagasaki	32 44	129 52	133	1016·5	1025·3	+ 0·5	272·0	280·5	8th	264·9	257·2	21st	268·5	268·2	—1·2	20	..
563	Kioto	35 1	135 44	42·9	1004·8	1021·3	— 0·6	281·7	291·4	9th	275·4	269·6	20th	278·5	278·4	—0·4	123	..
564	Tokio	35 41	139 45	21·3	1014·4	1019·8	+ 0·9	280·9	288·8	11th	272·3	268·5	4th	276·6	275·9	+0·4	84	..
565	Kanayama	37 53	140 46	24·6	1013·9	1016·5	+ 0·2	280·3	288·2	1st	271·8	267·5	21st	276·1	275·8	—0·3	85	..
566	Miyako	39 38 N.	141 59 E.	30·4	1013·0	1016·1	— 0·3	276·7	284·1	1st	269·1	258·5	6th	272·9	272·9	—0·8	41	..
					1010·6	1014·4	— 0·6	277·7	285·5	8th	267·4	259·2	6th	272·5	271·9	—0·4	35	..

JANUARY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15 N.	177 22 W.	5·8	..	1020·0	+ 4·1	295·2	298·0	28th	288·0	283·0	7th	291·6	..	..	19	..
605	Honolulu	21 19	157 52	11·6	1016·7	1018·0	+ 2·1	297·3	299·1	..	292·1	288·6	..	294·7	*294·4*	+0·3	38	..
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	862·0	1023·9	..	285·2	292·5	12th	270·7	262·2	4th	277·9	*277·8*	..	8	..
616	Leon	21 7	101 41	1809	820·9	1014·2	— 0·9	291·3	297·4	21st	280·3	271·6	11th	285·8	*284·8*	—1·9	70	..
616*a*	Monterry	25 40	100 18	528	959·4	1021·2	..	290·5	295·9	19th	280·8	272·4	4th	285·6	*284·2*	..	60	..
617	Tulancingo	20 5	98 22	2180	793·5	..	..	..	294·0	..	..	265·0	..	..	281·1	—3·6	76	..
618	Galveston	29 18	94 50	16·5	1020·1	1022·0	+ 1·6	285·9	291·9	14th	280·8	270·8	4th	283·3	*283·0*	—1·5	158	..
618*a*	New Orleans	29 57	90 4	16·2	..	1021·3	+ 0·9	287·3	293·4	1st	280·1	268·0	4th	283·7	*283·4*	—1·3	204	..
619	Merida, Yuc.	20 58	89 38	22	1015·1	1017·5	..	298·6	304·2	24th	290·8	286·4	11th	294·7	*294·2*	..	57	..
620	Havana	23 8	82 21	24·3	..	1018·0	— 0·5	297·1	304·2	26th	291·6	287·8	15th	294·3	*294·1*	—0·2	55	..
620*a*	Key West	24 33	81 48	6·7	1017·3	1017·9	— 1·3	295·6	299·7	3rd	290·5	284·1	6th	293·1	*292·2*	—1·2	19	..
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·1	— 1·3	297·2	300·2	28th	292·3	289·1	6th	294·7	*294·6*	—0·4	75	..
622	Watling Island	24 6	74 26	33·5	?1013·6	1017·5	— 0·6	..	?300·2	18th	..	?294·1	6th	..	*?297·1*	..	..	..
633	Izaña	28 19	16 30	2367	768·9	..	..	282·1	285·9	29th	275·0	269·2	11th	278·5	*277·9*	..	43	..
634	La Laguna	28 28	W16 20	547	954·7	1018·8	— 1·2	288·6	292·7	4th	283·0	278·8	30th	285·8	*285·3*	+0·6	70	..
637	Insalah	27 1	E 2 21	?280	..	..	..	293·5	296·0	11th	276·1	275·3	27th	284·8	*285·9*	—0·8	..	..
641	Siwa	29 12	25 29	—23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642					..	..	..	..	..	..	..	..	..	..	..	..	..	..
643	Aswan	24 2	32 53	99·6	1003·5	1015·3	— 2·5	298·0	304·3	9th	?285·1	?281·0	23rd	?291·5	*?290·6*	+2·6	..	..
644	Tor	28 14	33 37	1·9	1015·0	1015·2	— 2·1	294·6	298·5	5th	283·4	280·0	31st	289·0	*288·3*	+1·4	..	..
647	Bushire	28 59	50 53	4·3	1017·9	1018·5	— 0·3	292·2	296·5	13th	285·9	281·8	29th	289·1	*288·9*	+1·7	64	..
648	Jask	25 44	57 47	4·0	1018·2	1018·7	+ 0·9	296·8	298·6	9th	288·7	284·9	29th	292·8	*292·6*	+0·2	91	..
649	Robat	29 45	60 55	?	913·2	..	..	287·6	293·6	15th	269·8	266·6	29th	278·7	..	..	18	..
649*a*	Karachi	24 53	66 57	4·0	1018·6	1019·0	..	287·6	293·6	15th	269·8	266·6	29th	278·7	..	..	18	..
650	Jacobabad	28 17	68 29	56·7	1013·0	1019·8	+ 1·1	297·0	299·6	5th	286·3	283·1	30th	291·7	*291·5*	—0·8	21	..
651	Jaipur	26 56	75 52	436	968·5	1019·7	+ 1·4	295·4	298·1	6th, 9th	270·0	274·6	11th, 12th	287·2	*286·5*	—0·3	5	..
652	Nagpur	21 8	79 5	310	981·6	1017·6	+ 1·1	295·3	300·5	7th	283·0	276·6	14th	289·2	*288·4*	—0·1	39	..
653	Allahabad	25 25	81 51	94·1	1008·5	?1019·8	+ 0·6	300·8	304·2	11th	288·1	285·1	31st	294·5	*294·1*	+0·5	105	..
653*a*	Darjiling	27 3	88 18	2266	777·8	..	+ 2·1	296·3	300·9	8th	283·7	276·9	15th	290·0	*289·1*	+0·8	88	..
654	Calcutta	22 36	88 23	6·4	..	..	+ 1·5	283·1	286·3	7th	275·4	273·5	15th	279·2	*278·8*	+1·4	23	..
655	Gauhati	26 8	91 41	59·7	1012·4	1019·5	+ 1·2	298·7	302·6	13th	287·7	282·7	17th	293·2	*292·8*	+1·3	15	..
655*m*	Cherrapunji	25 15	91 42	1314	872·5	..	+ 1·6	297·3	299·6	27th, 28th	284·4	280·3	15th	290·8	*290·1*	+1·3	11	..
655*a*	Akyab	20 11	92 56	6·1	1015·4	1016·0	+ 2·2	289·6	292·4	19th	281·9	279·6	21st	285·7	*285·0*	+1·3	17	..
656	Mandalay	21 59	96 0	76·2	1009·3	1018·2	+ 0·7	300·3	302·9	12th	288·9	284·9	16th	294·6	*294·1*	+0·4	0	..
656*a*	Tengyueh	24 59	98 35	1633	837·1	..	+ 2·4	303·0	306·4	31st	288·1	283·9	16th	295·5	*294·8*	+1·3	0	..
657	Phu Lien	20 48	106 37	116	1004·1	1017·9	..	290·1	292·4	29th	274·3	260·7	17th	282·2	*281·6*	..	1	..
658	Moncay	21 31	107 51	9·0	1017·5	1018·6	— 0·4	295·8	304·0	10th	288·6	284·0	5th	292·2	*291·6*	+1·3	8	..
659	Hong Kong	22 18	114 10	33·2	..	1019·3	— 0·3	292·9	299·1	24th	285·5	278·7	4th	289·2	*289·9*	—0·4	9	..
660	Amoy	24 27	118 4	ca.3	1021·8	1022·2	— 0·5	291·6	298·8	10th	287·8	281·2	3rd	289·7	*287·0*	+1·0	16	..
661	Taihoku, Formosa	25 2	121 31	9·3	1020·3	1021·4	— 0·6	289·9	295·8	10th	284·7	279·7	4th	287·3	*287·0*	—0·5	39	..
661*a*	Basco (Santo Domingo)	20 28	121 59	18·7	..	..	+ 0·3	292·3	299·2	10th	284·7	278·1	5th	288·5	287·8	—0·4	46	..
662	Naha	26 13	127 41	10·5	1018·5	1019·8	..	298·8	302·4	10th	293·0	?289·2	22nd	295·9	*295·7*	+0·4	125	..
665	Titizima (Bonin Islands)	27 5 N.	142 11 E.	4·0	1017·1	1017·6	— 0·2	293·8	299·0	10th	286·3	280·3	7th	290·1	290·2	+1·1	157	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
					0·0	294·7	297·7	2nd	288·5	284·2	18th	291·6	291·7	+1·0	61	..

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 111.

JANUARY—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12 N.	103 45 W.	509	956·4	1012·3	..	301·6	305·0	2nd	289·9	285·6	25th	295·7	*294·8*	..	52	..
716	Morelia	19 42	101 7	1923	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·0	1013·6	— 1·2	291·3	298·8	1st	276·6	268·8	11th	284·0	283·2	—1·5	96	+ 87
718	Salina Cruz	16 12	95 12	56	1007·0	1013·5	..	299·7	303·0	28th	292·6	289·9	4th, 10th	296·2	*295·7*	..	0	..
719	San Salvador	13 42	89 13	‡665	936·8	1011·5	— 0·4	306·3	310·8	31st	287·2	283·4	7th	296·7	*294·4*	—0·8	13	+ 11
720	Belize	17 29	88 12	5·2	1016·1	1016·7	+ 0·8	298·6	303·0	3rd	292·2	286·1	12th	295·4	*295·0*	—1·5	165	+ 1
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·4	— 1·7	301·5	303·8	7th	293·5	290·6	20th	297·5	*297·2*	—0·1	72	+ 38
722	Fort au Prince	18 34	72 22	37·4	1010·3	1014·6	— 1·1	303·7	305·4	18th, 21st	293·7	292·0	20th	298·7	*297·8*	+0·5	25	— 6
723	Caracas	10 30	66 55	1042	899·5	1016·3	+ 0·4	298·1	301·1	31st	285·5	281·3	24th	291·8	*290·3*	—1·0	0	— 23
724	Montserrat	16 41	62 9	39·6	1010·0	1014·5	— 1·7	301·7	303·6	30th	293·9	290·8	3rd	297·8	*297·3*	..	109	..
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	994·7	1012·6	— 0·5	301·4	302·4	sev. dates	295·2	294·1	12, 20, 22	298·3	*297·9*	+0·3	71	— 42
725	Barbados	13 8	59 36	55·2	..	1013·9	— 0·4	301·4	302·2	4th, 8th	293·5	290·2	25th	297·5	*296·7*	0·0	37	— 31
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·2	1015·5	+ 0·4	296·4	300·0	7th, 19th	291·4	290·0	13th, 15th	293·9	*294·5*	—0·7	39	+ 35
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·4	1015·1	0·0	297·4	300·0	23rd, 24th	293·9	292·5	14th	295·6	*295·3*	+0·3	22	+ 19
733	Bathurst	13 27	16 36	1·8	1013·5	1013·7	+ 1·3	301·7	305·2	30th	..	..	..	..	*296·8*	—0·5	0	0
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	308·1	309·7	25, 29, 30	287·6	285·8	10, 13, 14	297·8	..	—0·7	0	— 1
735	Segou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	304·4	308·6	13th, 27th	289·2	283·0	16th	296·8	*296·5*	+0·3	0	0
738	Kaduna Capital	10 32	7 25	637	944·1	1015·7	+ 1·6	305·1	309·1	30th	288·8	280·2	12th	296·9	*296·6*	+0·9	0	0
739	Hadeija	12 40	10 5	?	..	..	..	306·2	311·3	15th, 26th	287·7	283·0	17th	296·9	*296·6*	+1·5	0	..
740	Maiduguri	11 47	13 11	361	..	..	..	306·4	311·3	27th	288·2	284·7	18th	297·3	*297·0*	+0·9	0	0
741	El Fasher	13 32	25 18	730	..	..	..	306·2	310·5	28th	287·3	284·0	4th	296·8	..	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	306·5	312·7	12th	287·3	284·0	13th	296·9	*?296·4*	+3·8	0	0
743*a*	Khartoum	15 37	32 33	390	966·3	1010·3	— 2·1	305·9	310·7	17th	291·3	287·5	26th	298·6	*298·7*	+3·1	0	0
744	Port Sudan	19 37	37 13	5·5	1012·8	1013·4	— 1·4	301·7	303·0	sev. dates	294·9	291·0	27th	298·3	*297·4*	+1·5	35	+ 24
745	Berbera, Somaliland	10 22	45 2	9·5	1014·2	1015·2	— 0·6	303·2	305·8	20th, 23rd	293·7	290·2	1st	298·5	*298·7*	+1·2	0	— 3
746	Aden	12 45	45 3	28·7	1012·6	1015·8	— 0·5	299·3	301·2	27th	296·3	294·2	2nd	297·8	*297·2*	+0·2	1	— 8
751	Bombay	18 54	72 49	11·3	1014·0	1015·2	0·0	301·2	303·4	8th	293·4	289·2	13th	297·3	*296·8*	+0·2	3	+ 1
751*a*	Cochin	10 58	76 21	2·7	1013·6	1013·9	+ 0·5	305·0	307·3	8th	296·6	294·0	1st	300·8	*300·4*	+0·8	132	+117
752	Kodaikanal	10 14	77 28	2343	772·9	..	+ 0·7	291·0	293·9	2nd	281·8	278·8	17th	286·4	*286·3*	+0·6	133	+ 71
752*a*	Bangalore	12 59	77 38	920	913·9	1015·7	+ 0·6	301·4	304·1	31st	289·2	283·7	3rd	295·3	*294·8*	+2·1	16	+ 9
753	Madras	13 4	80 14	6·7	1014·9	1015·7	+ 0·2	302·6	303·8	31st	295·3	291·1	2nd	298·9	*298·5*	+1·4	9	— 20
754	Vizagapatam	17 42	83 19	11·6	1015·5	1016·9	+ 0·7	300·1	302·6	11th	294·2	290·9	11th	297·2	*296·8*	?+1·4	23	+ 10
755	Port Blair	11 40	92 40	17·7	1012·5	1014·5	+ 1·1	303·1	305·4	30th	298·8	296·7	10th	300·9	*300·5*	+0·7	10	— 31
756	Rangoon	16 46	95 48	5·5	1015·3	1015·9	+ 1·4	305·7	307·9	26, 27, 29	292·6	290·3	12th	299·2	*298·1*	+1·2	0	— 6
757	Saigon	10 47	106 42	11·2	1011·9	1013·1	+ 1·3	306·2	307·8	19th, 22nd	294·7	291·6	28th	300·5	*299·8*	+1·3	0	— 16
758	Nhatrang	12 15	109 12	3·6	1015·0	1015·4	+ 1·1	301·6	304·0	1st	293·7	291·1	30th	297·7	*297·2*	+0·1	8	— 54
759	Bolinao	16 24	119 53	7·1	..	1012·2	+ 0·6	303·8	305·2	6, 26, 29	294·2	291·8	25th	299·0	*298·2*	—0·7	0	— 11
761	Vigan	17 34	120 23	12·2	..	1014·0	+ 1·4	303·7	305·5	6th	293·8	291·4	13th	298·7	*298·3*	—0·1	0	— 1
761*a*	Manila	14 35	120 59	14·2	..	1014·4	+ 1·9	303·8	305·7	26th	292·2	289·3	24th	298·0	*297·3*	—0·5	7	— 19
762	Ormoc	11 0	124 36	5·6	..	1012·3	+ 2·3	304·7	305·8	26th	293·8	290·6	15th	299·3	*299·0*	+0·9	36	—165
765	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	..	1011·1	+ 1·4	301·8	303·0	17th	296·7	294·6	21st	299·3	*298·8*	—0·2	40	— 22

Between Latitude 10° N. and 0°.

JANUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
802	Fanning Island	3 55 N.	159 23 W.	3·1	..	..	..	303·2	305·8	1, 5, 16	297·4	295·8	16, 19, 20	300·3	*299·9*	+0·6	636	+352
802*a*	Colon	9 23	79 53	11·0	..	1011·2	— 0·5	301·1	301·9	8th	297·8	296·3	12th	299·4	*299·1*	—0·1	46	— 52
802*b*	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	56	— 1
802*c*	Merida, Venez.	8 36	71 9	1641	‡841·1	..	..	296·9	298·9	10th	287·0	285·3	26th	291·9	*291·0*	..	34	..
802*d*	El Peru, Guayanavieja	7 19	61 49	220	985·2	1010·6	— 0·4	..	..	..	..	..	..	..	‡*294·9*	+0·2	28	— 72
802*e*	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·1	+ 0·3	301·7	303·0	3rd	296·8	295·2	19th, 24th	299·3	*298·9*	+0·2	117	— 76
802*f*	Paramaribo	5 49	55 9	3·7	1013·1	1013·5	+ 0·6	301·8	304·5	4th	294·9	291·4	20th	298·3	*297·8*	0·0	123	—101
802*g*	Cayenne	4 56	52 21	6	..	..	..	302·2	304·2	21st	294·1	292·8	sev. dates	298·2	*297·4*	—1·0	442	+ 77
803	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
803*a*	Freetown, Sierra Leone	8 29	13 9	68·3	1002·9	1010·7	— 0·4	304·9	307·4	10th	..	..	..	..	‡*300·1*	—0·2	0	— 11
803*b*	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	15	— 8
803*c*	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	..	..	2	— 15
803*d*	Lagos	6 27	E 3 24	4·6	1010·8	1011·3	..	301·2	309·1	..	296·0	295·8	..	298·6	*298·2*	—1·6	3	— 25
803*e*	Zungeru	9 48	6 10	130	..	..	..	308·6	311·3	12th	293·7	289·7	2nd, 16th	301·1	*300·8*	+1·2	0	— 1
803*f*	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
803*g*	Yola	9 12	12 30	259	..	..	..	307·3	310·8	10th, 11th	294·3	291·9	9th	300·8	*300·5*	+1·1	22	+ 22
803*h*	Wau	7 42	28 3	440	959·2	1008·1	— 1·3	..	..	..	293·6	289·0	14th	..	*301·1*	+2·6	3	+ 2
804	Malakal (Kodok)	9 35	31 37	394	963·9	1008·0	— 1·0	310·6	313·9	28th	292·5	289·6	4th	301·5	*300·4*	..	0	0
804*a*	Mongalla	5 11	31 47	439	957·5	1006·0	— 0·9	311·8	314·5	28th	296·4	294·0	4th, 23rd	304·1	*303·0*	+3·1	7	+ 5
851	Entebbe	0 5	32 29	1171	883·0	..	— 0·3	301·2	303·5	31st	291·3	290·2	17th	296·3	*295·7*	+1·1	37	— 29
851*a*	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
852	Mim

JANUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	*301·2*	+ 0·7	335	
924	Manaos	3 8	60 1	43·8	..	..	..											
926	Taperinha	2 30	54 20	20·0	1008·0	1010·2	— 0·5	304·4	307·6	20th	296·7	295·8	25th	300·6	*299·6*	— 0·1	266	
927	Turyassu	1 43	45 26	15·1	1008·4	1010·1	— 0·4	302·5	304·8	11th	295·8	294·8	6th	299·2	*298·4*	+ 0·3	140	
928	Barra do Corda	5 30	45 16	81·0	999·4	1008·7	— 1·2	305·8	307·6	15th	296·0	293·9	21st	300·9	*299·8*	+ 0·7	220	
929	Quixeramobim	5 16	39 15	207	987·7	1011·0	+ 0·2	304·2	308·3	29th	295·0	293·8	11th, 17th	299·6	*298·6*	+ 0·2	130	
930	Fernando Noronha	3 50	W32 25	106	999·8	1012·0	0·0	305·9	307·8	27th	297·5	295·4	1st	301·7	*301·0*	— 0·1	120	
								301·3	302·2	12th	297·2	295·3	21st	299·2	*298·7*	..	37	
939	Loanda	8 49	E 13 13	59·3	..	1010·9	0·0											
940	Brazzaville	4 17	15 16	320	975·0	1011·2	— 0·2	299·4	301·6	3rd	295·8	294·2	30th	297·6	297·5	— 0·6	3	
								304·7	307·0	26th	294·2	292·5	22nd	299·4	*298·7*	+ 0·4	118	
943	Masaka	0 21	31 47	?1280	..	..	..											
944	Nairobi	1 14	36 44	1800	..	..	..	301·6	303·0	27th	288·9	288·6	sev. dates	295·3	*293·7*	+ 0·6	57	
944*a*	Zanzibar	6 10	39 11	21·9	1011·3	1013·7	+ 0·7	298·0	300·8	22nd	284·1	279·7	21st	291·1	*290·6*	+ 0·4	4	
945	Lamu	2 16	40 50	3·1	..	..	..	303·0	304·3	29th	299·6	297·6	1st	301·3	*301·1*	+ 0·1	51	
947	Seychelles, Port Office	4 37	55 27	4·6	1012·0	1012·5	+ 1·3	304	304·1	3rd, 31st	294·7	294·1	2nd, 31st	299·4	*298·8*	— 0·9	0	
								302·2	303·6	..	298·9	297·6	..	300·5	*299·8*	+ 1·0	457	
957	Padang	0 56	100 22	6·7	..	..	..											
958	Batavia	6 11	106 50	8·0	1010·5	1011·4	+ 1·5	302·7	304·7	8th	296·6	295·4	30th	299·7	299·1	+ 0·6	373	
958*a*	Pontianak	0 1	109 20	2·6	..	..	..										205	
959	Passeroean	7 38	112 55	5·0	..	..	..										285	
960	Kajoemas	7 56	114 9	1060	..	..	..										130	
																	418	
962	Ambon	3 42	128 10	4·2	..	..	..											
963	Manokwari	0 52	134 20	19·0	..	..	..										340	
965	Daru	9 4	143 13	7·6	..	1009·6	+ 0·8	304·4	..	..	..	..	..	..	‡*300·3*	0·0	565	
966	Port Moresby	9 29	147 9	39·0	..	1010·1	+ 1·9	304·3	..	..	296·6	..	..	300·4	*299·9*	— 0·7	229	
967	Rendova	8 30	157 12	1·8	1007·9	1008·1	+ 1·0											
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·5	1007·8	+ 0·9	304·0	306·9	18th	298·1	296·3	6th, 24th	301·1	*300·9*	+ 0·2	1022	
970	Ocean Island	0 52 S.	169 35 E.	20·0	1004·5	1006·8	— 0·4	304·0	305·8	15, 29, 31	297·2	295·2	7th	300·6	*300·0*	— 0·4	267	
																	431	

JANUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1005·7	— 2·2	302·4	305·0	3rd	296·6	295·1	21st	299·5	299·3	+0·3	622	
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	304·9	307·4	18th, 19th	..	..	..	..	..	..	112	
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	
1021	Arequipa	16 22	71 33	2451	760·4	..	— 0·3	295·4	296·9	2nd	282·9	278·6	20th	289·2	*289·0*	+1·5	2	
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	..	..	..	..	..	..	
1023					..	..	..	..	..	..	..	..	..	..	..	..	..	
1024	Sucre, Bolivia	19 30	64 24	2848	729·7	..	..	290·2	293·4	25th	281·6	279·0	1st, 2nd	285·9	*285·9*	..	134	
1025	Corumba	18 59	57 39	116	993·9	1007·2	— 1·3	307·5	311·2	18th	295·0	292·0	1st	301·2	*300·2*	+0·2	94	
1026	Cuyaba	15 36	56 6	165	988·6	1007·3	— 1·1	304·8	307·8	8th	298·7	296·3	26th	301·8	*301·5*	+1·4	112	
1027	Bello Horizonte	19 55	43 57	857	916·8	1012·2	— 0·2	298·3	303·4	11th	291·3	289·0	18th	294·8	*294·0*	—0·8	550	
1028	Caetite	14 3	42 37	900	914·4	1013·1	+ 0·4	299·0	301·5	29th	291·6	289·4	27th	295·3	*295·6*	—0·6	186	
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·5	1011·9	— 0·7	302·6	304·4	1st	296·1	294·5	2nd, 20th	299·4	*298·8*	+0·2	93	
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
1035	St Helena	15 57	W 5 40	632	945·3	1016·7	+ 0·4	296·2	300·8	8th, 9th	287·6	284·2	2nd	291·9	*291·5*	+0·9	57	
1042	Gwelo	19 28	E 29 48	1417	860·0	..	— 0·1	299·9	303·0	10, 15, 19	287·4	285·2	8th	293·7	..	—0·5	344	
1043	Salisbury, Rhodesia	17 48	31 5	1457	854·9	..	— 0·5	299·4	303·6	27th	289·0	287·4	6, 14, 15	294·2	*293·2*	+0·3	324	
1044	Zomba	15 23	35 18	996	905·3	1014·9	+ 0·4	303·0	308·0	3rd	292·5	290·8	13th, 22nd	297·7	*296·7*	+2·1	277	
1045	Tananarive	18 55	47 32	1400	863·9	..	+ 1·4	298·9	301·1	18th	289·8	288·7	25th	294·4	*293·4*	+0·5	273	
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	
1055	Cocos Keeling Is.	12 5	96 53	4·6	1012·8	1013·4	+ 1·9	303·2	305·3	17th	297·8	296·8	18th	300·5	*300·1*	+0·1	19	
1056																		
1057	Christmas Island	10 25	105 43	5·5	1009·1	1009·7	+ 1·6	305·0	306·9	..	296·9	294·7	..	300·9	*300·2*	+0·5	119	
1058																		
1061	Koepang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	174	
1061*a*	Derby	17 18	123 40	16·2	1006·3	1008·2	+ 1·3	306·6	308·8	11th	299·3	294·7	1st, 29th	302·9	..	—0·4	97	
1062	Hall's Creek	18 13	127 46	374	966·5	1007·2	+ 0·8	310·4	315·1	20th	298·4	295·9	12th	304·4	*303·9*	+1·1	136	
1063	Darwin	12 28	130 51	29·6	1004·3	1007·6	+ 1·7	304·9	308·1	9th	297·9	294·9	14th	301·4	*300·4*	—0·4	418	
1064	Daly Waters	16 16	133 23	211	981·5	1004·7	— 0·2	308·5	313·6	18th	297·1	293·0	15th	302·8	*302·3*	—0·5	65	
1065	Mein	13 13	142 47	122	993·3	1007·0	+ 1·4	304·8	307·7	12th	295·7	293·3	31st	300·3	..	—0·3	191	
1066	Georgetown, Queensland	18 22	143 32	302	975·4	1008·7	+ 2·1	307·6	310·2	5th	296·3	293·6	13th	302·0	..	+0·9	69	
1067	Samarai	10 37	150 40	15·2	..	1008·8	+ 1·0	304·2	..	..	297·0	..	..	300·6	*300·4*	—0·2	494	
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1007·4	— 1·5	302·6	305·6	30th	296·2	293·4	4th	299·4	*299·2*	—0·2	248	
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

JANUARY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	19	—223
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1009·8	1013·0	— 1·5	295·1	299·2	2nd	289·7	285·8	24th	292·4	*291·9*	+2·2	1	+ 1
1122	Iquique	20 12	70 11	9	..	..	..	..	..	..	289·6	288·2	16th	..	*295·5*	+1·4	0	0
1123	Catamarca	28 27	65 47	510	947·3	1003·5	— 2·2	308·9	315·7	21st	293·3	288·2	25th	301·1	301·0	+0·5	66	— 7
1124	Salta	24 46	65 28	1178	880·9	1008·2	— 0·4	301·0	306·3	10th	289·3	286·4	2nd	295·1	295·3	+0·4	171	+ 26
1125	Goya	29 9	59 15	26	1005·0	1007·9	— 0·9	308·9	314·5	24th	293·6	288·0	31st	301·3	301·7	+2·9	49	— 63
1126	Asuncion	25 21	57 37	95	‡999·7	‡1010·6	— 0·3	310·2	313·6	27th	293·8	288·0	2nd	302·0	301·1	+1·2	83	— 63
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1004·4	1011·4	+ 0·4	299·8	309·0	11th	294·6	292·6	2nd	297·2	297·0	—1·2	92	— 36
1139	Windhoek	22 35	E17 5	1680	..	..	..	303·0	305·6	16th	292·8	287·8	2nd	297·9	*297·9*	+1·4	35	— 58
1140																		
1141	Kimberley	28 42	24 47	1202	878·8	..	— 1·2	306·6	309·7	6th, 16th	290·2	286·3	23rd	298·4	298·3	+1·7	26	— 45
1141*a*	Johannesburg	26 11	28 4	1806	822·3	..	— 0·2	297·8	302·2	15th	287·1	283·5	19th	292·4	*291·9*	+0·4	121	— 38
1142	Pretoria (Brooklyn)	25 46	28 13	1400	860·8	..	— 0·3	300·3	305·3	15th, 16th	288·8	285·9	19th	294·6	*294·1*	—0·3	146	
1142*a*	Bulawayo	20 9	28 35	1340	866·4	..	— 0·1	299·6	304·4	..	289·7	284·8	..	294·6	*294·1*	—0·3	208	+ 58
1143	Durban	29 52	31 3	15·2	1011·7	1013·5	— 1·6	300·7	304·8	16th	293·4	289·0	10th	297·1	*296·7*	0·0	195	+ 82
1144	Lorenzo Marques	25 58	32 36	59	..	1011·3	— 0·9	304·0	311·7	28th	294·7	290·9	7th	299·3	298·9	+0·2	107	— 31
1147	Mauritius	20 6	57 33	55·2	1006·0	1012·4	+ 0·5	305·1	307·9	15th	296·0	293·4	2nd	300·5	299·9	+0·9	146	— 51
1159	Onslow	21 43	114 57	4·3	1006·5	1007·3	+ 1·3	309·7	316·8	23rd	294·8	291·1	5th	302·2	..	—0·7	0	— 24
1160	Peak Hill	25 38	118 47	588	941·8	1004·5	— 0·9	311·3	315·5	13th	297·2	291·9	5th	304·2	..	+0·5	34	— 8
1161	Nullagine	21 53	120 5	386	964·3	1005·6	+ 0·3	313·4	316·7	13th	296·4	291·9	23rd	304·9	..	+0·1	49	— 31
1162	Laverton	28 40	122 23	466	958·1	1008·7	— 0·9	311·0	316·9	23rd	294·6	290·2	6th	302·8	*302·5*	+1·5	26	0
1163	Alice Springs	23 38	133 37	587	943·5	1007·1	+ 1·0	307·8	315·8	18th	293·9	288·8	10th	300·9	*300·9*	—0·7	176	+129
1164	William Creek	28 55	136 21	76·2	1001·2	1009·6	0·0	310·4	318·3	5th	294·3	289·1	20th	302·4	*302·0*	+1·2	0	— 14
1165	Thargomindah	22 55	139 38	146	989·5	1005·4	+ 0·3	311·2	316·3	6th	297·8	294·7	2nd	304·5	*304·5*	+0·7	35	— 18
1166	Mitchell	27 58	143 43	123	993·4	1006·9	— 0·3	311·0	316·6	6th	297·4	290·3	18th	304·2	*303·8*	+1·5	19	— 17
		26 32	147 52	336	971·8	1008·2	..	309·7	313·6	24th	294·8	285·2	17th, 18th	302·2	..	+2·7	39	— 47
1167	Rockhampton	23 24	150 30	11·3	1009·0	1010·2	+ 0·8	306·2	310·7	26th	295·7	293·1	8th	301·0	..	+1·1	9	—224
1168	Brisbane	27 28	153 2	41·7	1007·6	1012·3	+ 0·7	303·3	307·8	26th	293·8	290·6	12th	298·6	*298·1*	+0·5	8	—155
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1013·0	1014·8	+ 1·6	297·6	301·4	16th	291·6	287·8	5th, 6th	294·6	*294·2*	—0·4	82	— 10

JANUARY—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	295·8	300·0	2nd	290·6	287·3	10th	293·2	*293·3*	+ 1·7	17	— 1
1221*a*	Punta Tumbes	36 37	73 6	91	‡1001·0	‡1011·8	— 3·2	294·0	297·2	29th	286·8	284·7	11th	290·4	*290·1*	+ 2·3	3	0
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1007·1	1011·9	— 2·6	296·7	301·5	14th	288·6	285·8	1st	292·7	*292·2*	+ 1·2	2	+ 2
1222*a*	Santiago	33 27	70 42	520	951·9	1010·9	— 1·5	302·8	308·0	29th	286·5	282·2	11th	294·7	*293·5*	+ 1·0	1	0
1223	Cordoba	31 25	64 12	423	961·2	1009·0	— 0·2	305·4	311·6	..	290·0	283·5	..	297·7	296·8	+ 0·6	185	+ 79
1224	Bahia Blanca	38 45	62 15	25	..	1009·8	+ 0·6	304·9	313·0	6th	291·3	285·0	31st	298·1	297·7	+ 1·4	39	— 5
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1010·7	— 1·0	303·5	310·1	21st	292·0	284·8	31st	297·7	297·5	+ 1·0	80	0
1226*a*	Montevideo (Prado)	34 52	56 12	24·9	1008·3	1011·2	— 1·1	302·8	310·3	7th	291·4	285·2	3rd	297·1	296·9	+ 1·6	83	+ 12
1239	Porto Alegre	30 2	W51 13	23·5	1008·3	1011·0	— 0·4	304·3	312·0	10th	292·3	286·3	2nd	298·3	297·7	+ 0·2	73	— 44
1240	Cape Town	33 56	E18 29	12·2	..	1014·5	+ 0·9	298·7	303·6	19th	288·3	284·7	9th	293·5	*292·1*	— 0·5	25	+ 7
1241	Tanger Point	34 37	19 18	27·7	1010·9	1014·1	..	295·7	298·0	25th	288·2	283·0	23rd, 24th	291·9	..	..	43	+ 21
1242	Riversdale	34 6	21 16	?61	1003·2	1010·4	..	301·6	308·6	12th	287·3	281·9	29th	294·4	..	..	28	..
	East London	33 1	27 54	9·8	1011·0	1012·1	— 0·8	299·4	303·0	6, 14, 17	291·3	288·0	19th	295·4	..	+ 1·3	60	— 20
1259	Perth (Observatory)	31 57	115 51	60·0	1006·1	1013·3	+ 0·6	300·3	309·7	25th	289·4	285·6	28th	294·9	*294·4*	— 1·4	7	— 1
1260	Katanning	33 42	117 35	310	977·7	1013·2	0·0	303·1	312·3	8th	286·2	280·2	6th	294·6	..	— 0·2	3	— 7
1261	Coolgardie	30 57	121 10	423	963·3	1010·1	— 1·2	308·1	317·3	22nd	290·2	286·8	2, 6, 25	299·1	*298·8*	+ 0·9	4	— 8
1262	Streaky Bay	31 45	128 58	4·6	1011·9	1012·5	— 0·8	298·5	317·4	23rd	290·3	283·0	19th	294·4	*293·7*	— 0·1	13	— 2
1263	Adelaide	32 48	134 13	13·1	1011·9	1013·3	— 0·1	303·6	314·8	23rd	288·4	283·0	14th	296·0	*295·2*	+1·1	13	+ 2
1264	Melbourne	34 56	138 35	42·7	1008·7	1013·5	+ 0·5	302·8	314·3	5th	288·8	283·9	25th	295·8	*295·2*	— 0·6	8	— 10
1265	Bourke	37 49	144 58	35·1	1008·7	1012·9	0·0	298·6	311·8	2nd	285·9	279·7	27th	292·2	*291·8*	— 0·5	17	— 30
1266	Sydney	30 13	145 58	110	1000·4	1012·7	+ 0·4	312·3	318·0	6th	293·7	286·3	18th	303·0	..	+ 0·6	5	— 33
1267	Lord Howe Island	33 51	151 13	44·5	1006·9	1012·0	— 0·4	299·7	309·6	21st	291·6	287·9	18th	295·7	*295·2*	+ 0·7	39	— 54
1268		31 20	159 0	4·6	1013·8	1014·4	+ 1·5	299·5	301·6	26th	291·7	286·1	18th	295·6	..	0·0	33	— 92
1271	Auckland	36 50	174 50	38·1	..	1012·1	..	293·9	299·4	26th	286·3	283·0	7th	290·1	..	— 2·1	43	— 22
1272	Napier	39 32 S.	176 53 E.	21·3	..	1007·6	— 4·0	297·3	304·1	22nd	285·7	279·1	3rd	291·5	..	— 0·6	37	— 5

JANUARY—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	42	— 19
1321	Isla Guafo	43 34	74 45	140	997·9	1014·6	— 1·8	289·5	294·0	1st	285·4	282·1	10th	287·5	*287·5*	+ 2·0	48	— 17
1322	Punta Galera	40 1	73 44	40	1009·4	1014·2	— 2·1	290·8	296·0	15th	285·3	282·2	27th, 28th	288·1	*288·2*	+ 1·2	87	+ 27
1323	Sarmiento	45 30	69 0	274	..	1006·7	..	300·8	308·2	3rd, 21st	286·1	278·0	30th	293·5	292·7	+ 0·8	18	+ 10
1324	Puerto Madryn	42 49	W64 58	14	..	1009·5	..	301·5	307·9	16th	288·3	281·9	2nd	294·9	294·1	+ 0·9	11	+ 1
1365	Launceston	41 27	E147 10	10·1	1007·9	1009·1	— 2·7	297·3	302·0	4th	283·1	277·9	27th	290·2	*289·1*	— 0·8	17	— 29
1366	Hobart	42 53	147 20	53·9	1001·8	1008·2	— 1·9	293·8	304·0	2nd	283·8	278·9	26th	288·8	*287·7*	— 1·0	52	+ 7
1370	Invercargill	46 25	168 21	5·5	..	..	..	289·5	295·2	22nd	280·8	275·8	3rd	285·2	..	— 1·7	197	+ 88
1371	Dunedin	45 52	170 31	91·4	..	1002·8	— 6·4	290·2	298·6	20th	281·6	276·3	11th	285·9	..	— 1·0	181	+ 95
1371*a*	Christchurch	43 31	172 38	7·6	..	1002·8	— 8·5	293·7	301·2	23rd	282·9	276·4	3rd	288·3	..	— 1·1	78	+ 26
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1007·4	— 4·7	291·4	295·1	28th	286·0	279·4	12th	288·7	..	— 1·2	95	+ 11
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

JANUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24 S.	75 6 W.	55	999·4	1006·1	+ 4·2	283·4	286·0	3rd	280·4	278·6	9th	281·9	*281·7*	— 0·1	191	—
1422	Puerto de Punta Arenas	53 10	70 54	4	1002·7	1003·2	+ 3·6	290·2	294·5	26th	280·0	275·9	8th	285·1	*285·0*	+ 1·0	18	—
1423	Punta Dungeness	52 24	68 26	5	1003·2	1003·8	+ 3·7	288·7	293·2	13th	280·9	278·4	24th	284·8	*285·5*	+ 0·7	4	—
1424	Santa Cruz	50 11	68 21	12	..	1005·5	+ 1·8	294·8	306·6	26th	282·6	278·0	1st	288·7	288·5	+ 0·4	12	—
1424*a*	Año Nuevo	54 39	64 8	50	993·7	999·8	+ 3·5	283·8	286·3	20th	279·0	275·2	7th	281·4	281·2	+ 1·0	65	—
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	40	..
1426	Cape Pembroke	51 41	57 42	21	..	1002·6	+ 2·9	285·6	288·6	16th	278·8	276·9	9th	282·2	282·6	— 0·1	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

JANUARY—ZONE 15. Between Latitude 60° S. and 70° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
1527	South Orkneys	60 44 S.	44 39 W.	7	991·8	992·7	+ 2·0	275·3	277·9	17th	272·3	269·6	9th	273·8	273·9	+ 0·8	31	—
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JANUARY 1919.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1071. Direction and Force (Beaufort).
	9h.	m/s	10½h.	9h. / 17h.	7h. / 21h.	9h.	9h.	9h. / 21h.	9h.
1	SSE	11·8	N	Calm 0 / Calm 0	Calm 0 / S 3	NW 8	N 2	ENE 3 / N 4	SE
2	SE	8·1	N	Calm 0 / Calm 0	Calm 0 / N 3	NE 6	SE 2	Calm 0 / NW 3	SE
3	SE	6·7	NE	Calm 0 / Calm 0	E 1 / N 1	NW 3	Calm 0	N 4 / NNW 3	SE
4	SE	6·7	NE	E 1 / Calm 0	N 1 / S 3	SW 3	Calm 0	NW 3 / NW 4	SE
5	SSE	5·3	NE	NNE 1 / SW 1	Calm 0 / SW 4	SE 4	Calm 0	N 3 / NE 2	SW
6	SE	5·5	N	E 1 / Calm 0	N 1 / S 3	SE 3	NW 8	NE 3 / N 1	W
7	SE	6·7	N	Calm 0 / S 1	NW 1 / SW 3	SE 3	NW 8	NE 3 / NE 2	SW
8	SSE	5·8	N	Calm 0 / Calm 0	SW 1 / SW 3	SE 3	NW 4	NE 2 / NNW 3	SE
9	SE	4·6	N	E 1 / SE 1	SW 1 / NW 2	SE 3	NW 6	WNW 3 / WNW 2	SE
10	SE	5·1	N	Calm 0 / Calm 0	NW 2 / SW 3	SE 3	NW 2	WNW 4 / NW 4	SE
11	SE	5·0	N	Calm 0 / Calm 0	NW 1 / N 3	SSE 6	NW 2	NW 2 / NW 2	SE
12	ESE	6·0	N	NE 1 / SW 1	NW 3 / S 4	SE 4	NW 4	N 3 / N 3	S
13	SE	5·8	N	Calm 0 / Calm 0	NW 1 / NW 1	NE 3	Calm 0	SW 1 / Calm 0	Calm
14	SE	5·7	N	Calm 0 / Calm 0	NW 1 / NW 1	SE 3	Calm 0	ENE 2 / Calm 0	SE
15	SE	7·1	N	NE 1 / SW 1	W 1 / SW 3	SE 3	Calm 0	SE 1 / W 4	Calm
16	SSE	8·1	SE	E 2 / SE 1	W 3 / W 4	SE 3	Calm 0	W 4 / Calm 0	SE
17	SE	10·4	SE	E 3 / SW 1	N 3 / N 4	SE 3	Calm 0	W 4 / W 4	SE
18	SE	10·2	NE	E 2 / S 1	N 1 / W 2	SE 3	Calm 0	W 4 / W 2	SE
19	ESE	9·1	NE	NE 2 / SW 1	N 2 / S 3	SE 3	NW 8	W 3 / W 2	SE
20	SE	7·9	Calm	Calm 0 / Calm 0	N 1 / W 2	SE 3	NW 2	W 6 / W 6	SE
21	SE	7·3	NE	E 1 / Calm 0	E 2 / E 2	E 2	N 2	NW 4 / NW 5	SE
22	SE	7·1	NE	Calm 0 / Calm 0	N 2 / SW 1	E 2	SE 6	NW 2 / N 2	SE
23	SE	6·5	E	Calm 0 / Calm 0	N 2 / NW 3	SE 3	Calm 0	NW 2 / WNW 4	SE
24	SE	8·0	NE	Calm 0 / SW 1	W 1 / NW 3	SE 2	Calm 0	W 2 / NW 2	SE
25	SE	9·6	NE	Calm 0 / Calm 0	SW 2 / NW 2	E 2	NW 8	E 2 / NE 2	SE
26	SE	8·4	NE	Calm 0 / Calm 0	NW 2 / NW 3	NE 2	NW 8	SSE 2 / N 3	SE
27	SE	7·7	NE	Calm 0 / Calm 0	N 1 / S 3	SE 3	NW 2	W 5 / W 5	SE
28	SE	9·0	NE	NE 2 / SW 1	S 1 / NW 3	NE 3	NW 4	W 3 / W 4	SE
29	SE	8·2	NE	NE 2 / SW 1	N 1 / S 4	SW 3	Calm 0	WNW 4 / NW 6	NE
30	SE	8·1	NE	E 1 / Calm 0	N 1 / N 4	NW 3	NW 2	WNW 4 / NNW 5	Calm
31	SE	9·5	NE	Calm 0 / Calm 0	N 1 / N 3	NE 2	NW 4	NNW 4 / NNW 5	SE
Mean	..	7·5	..	0·7 / 0·4	1·3 / 2·7	3·4	2·3	2·9 / 3·1	
§Resultant	135° (96)	..	30° (80)	125° (15)	305° (42)	120° (50)	320° (43)	320° (57)	135° (75)
§Normal	142° (92)	7·3	‖ 105° (75)	22° (9)	265° (35)	71° (78)	322° (14)	88° (27)	89° (15)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 632 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JANUARY 1919.

‡‡ *Iceland.*—The coasts were free of ice, the normal duration of average ice conditions being 5 days.

‡‡ *Denmark Strait.*—At Angmagsalik the "Storis" was closely packed in the offing only leaving a land water or, at least, scattered ice 1–2 miles wide along the coast. At Godthaab and Sukkertoppen there was only a little ice.

‡‡ *Davis Strait.*—Ice lay some distance off shore at Cape Farewell. Disko Bay was covered over with firm ice as also was Julianehaab Bay except at Kagsimiut.

‡‡ *Melville Bay.*—Last year's ice breaking up, but in some places small floes were frozen together with the young ice.

‡‡ *Smith Sound.*—Young ice lay between Ellesmere Land and Etah. On the 19th the ice was broken up between Cape York and Cape Atholl.

‡‡ *Isforholdene i de Arktiske Have*, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, FEBRUARY 1919.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF FEBRUARY 1919 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

FEBRUARY—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23 N.	156 17 W.	6·1	..	..	..	..	..	..	239·2	224·7	1st	..	..	..	..	..
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	W56 7	18·9	1016·4	1019·0	+ 9·8	252·6	272·3	2nd	246·2	238·5	28th	249·4	*249·1*	— 0·7	0	— 13
139	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1010·7	1012·3	+ 2·9	..	265·2	5th	246·0	232·8	20th	..	249·4	— 1·9	11	— 22
140	Gjesvaer	71 6	25 22	6·5	1003·0	1003·8	— 0·4	..	274·0	28th	264·2	255·5	19th	..	*266·2*	— 2·4	78	+ 24
141	Mehavn	71 1	27 47	6·4	1003·2	1004·0	+ 2·0	..	272·4	7th	263·1	253·7	18th	..	*265·7*	— 1·6	73	+ 14
142	Vardö	70 22	31 8	10·0	1002·7	1004·0	— 2·0	..	271·0	2nd	263·6	253·2	18th	..	*266·0*	— 0·9	103	+ 32
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
157	Maudhavn	77 33 N.	105 40 E.	2·5	1018·3	1018·7	+ 5·5	..	249·7	1st	234·8	227·0	26th	..	*236·2*	..	..	..

FEBRUARY—ZONE 2. Between Latitude 70° N. and 60° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
202	Gambel	63 51 N.	171 35 W.	6·1	..	..	..	254·7	259·7	5th	249·4	239·1	3rd	252·1	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1002·0	—10·2	264·2	275·2	21st	256·5	236·9	12th	260·3	*260·6*	+2·1	7	— 18
204	Candle	65 55	161 57	2·4	..	..	..	252·2	269·7	20th	245·7	234·1	1st	248·9	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1006·1	—11·8	258·7	263·0	24th	252·1	239·7	6th	255·4	*255·2*	+3·2	1	— 22
206	Rampart	65 30	150 15	122	..	..	..	..	..	..	..	..	..	..	..	..	1	— 16
207	Valdez	61 7	146 16	8·2	..	1003·7	— 6·3	270·8	275·8	16th	261·0	252·4	25th	265·9	*265·3*	—1·0	38	— 89
208	Eagle	64 46	141 12	254	..	1009·8	— 7·7	260·6	270·2	18th	251·4	237·4	26th	256·0	..	+3·6	1	— 10
209	Dawson	64 4	139 20	328	971·3	1015·6	— 4·4	252·4	264·1	20th	244·7	232·4	27th	248·6	..	0·0	4	— 14
210	Carcross	60 11	134 34	662	..	..	..	261·8	275·2	20th	247·9	229·1	28th	254·9	..	—2·7	1	— 24
211	Fort Good Hope	66 25	128 53	65·2	1013·7	1023·1	..	247·4	258·6	4th	236·9	227·4	22nd, 26th	242·2	..	..	1	— 9
212	Fort Simpson	61 52	121 35	129	1004·9	1023·2	..	250·8	256·3	11th	238·6	225·8	27th	244·7	..	—0·6	2	— 12
213	Hay River	60 51	115 20	161	1000·0	1022·4	..	252·4	267·4	9th	241·9	224·1	27th	247·2	..	—1·9	5	..
225	Jacobshavn	69 13	51 2	12·6	1015·1	1016·8	+ 8·9	255·8	279·7	1st	247·9	238·7	23rd, 24th	251·9	*251·4*	—2·5	2	— 5
226	Godthaab	64 11	51 43	9·0	1007·2	1008·4	+ 6·8	267·1	283·2	1st	262·2	252·9	22nd	264·7	*264·8*	+1·7	..	..
227	Ivigtut	61 12	48 10	5·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
229	Angmagsalik	65 37	37 33	31·7	1009·0	1013·2	+ 9·6	..	‡275.0	1st	..	?243·6	21st	..	*258·1*	..	57	+ 14
231	Stykkisholm	65 5	22 46	11·3	1009·1	1010·5	+ 8·6	273·8	282·7	8th	268·4	254·0	28th	271·1	*271·0*	+0·7	43	— 21
232	Vestmanno	63 26	20 15	7·7	1005·8	1006·8	+ 5·3	276·3	282·4	9th	272·3	263·2	17th	274·3	*273·9*	—0·4	94	— 20
233	Grimsey	66 33	17 58	22	1007·8	1010·6	+ 6·5	271·2	279·1	9th	267·8	257·2	16th	269·5	*269·2*	—0·9	..	..
234	Berufjord	64 40	14 19	18·0	1007·1	1009·4	+ 5·9	273·1	282·0	9th	267·4	256·8	16th	270·3	*270·5*	—1·3	91	— 5
235	Thorshavn	62 3	6 45	26·3	1006·6	1009·9	+ 4·7	276·2	281·0	7th, 8th	271·8	263·3	17th	274·0	*274·3*	—2·0	37	—102
236	Lerwick	60 9	W 1 8	147	1001·7	1011·0	+ 3·7	276·1	278·6	9, 10, 13	272·7	266·9	18th	274·4	*274·6*	..	29	..
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1006·0	1011·6	+ 0·2	274·6	279·4	23rd	269·9	262·9	7th	272·3	*272·5*	—1·6	22	—111
238	Christiansund	63 7	7 45	17·8	1007·5	1009·7	+ 0·7	..	..	..	270·7	262·6	12th	..	*273·2*	—1·0	83	— 2
239	Trondhjem	63 26	10 25	39·5	1005·2	1010·2	+ 0·3	272·9	279·5	10th	267·4	253·9	6th	270·1	*270·3*	—0·1	56	— 34
240	Bodö	67 17	14 24	22·4	1003·4	1006·2	— 1·0	..	..	..	266·3	259·2	5th	..	*269·4*	—0·9	131	+ 50
243	Haparanda	65 50	24 9	9·2	1007·3	1008·5	— 3·0	261·8	270·0	8th	251·3	241·8	23rd	256·5	*256·8*	—4·2	19	— 9
243*a*	Helsingfors	60 10	24 57	11·7	1008·7	1010·3	— 3·9	269·0	277·0	10th	261·7	247·5	27th	265·4	265·7	—0·6	26	— 11
243	Kuopio	62 54	27 40	90·3	997·8	1009·5	— 4·0	264·7	275·1	10th	?252·7	242·1	24th	?258·7	*260·1*	—3·4	33	— 3
244	Kola	68 53	33 1	6·7	1005·0	1005·9	— 1·2	261·8	271·0	1st	253·2	235·2	17th	257·5	*257·7*	—3·7	16	0
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 35	40 36	6·2	1006·0	1006·8	— 4·1	260·4	267·0	21st	250·6	233·8	18th	255·5	*256·2*	—4·1	27	+ 9
247	Mezen	65 50	44 16	12·6	1003·6	1005·3	— 5·6	259·1	268·0	1st	248·9	235·6	17th	254·0	*254·4*	— 5·0	9	+ 2
248	Oust-Tsylma	65 25	52 14	? 70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249	Tcherdyn	60 24	56 31	?177	985·1	1008·8	— 9·1	257·7	266·3	7th	250·1	235·7	15th	253·9	*253·8*	—5·1	33	+ 8
250	Berezov	63 56	65 4	39·9	1004·0	1009·5	— 6·9	253·2	264·5	8th	243·4	230·9	14th	248·3	*248·6*	—5·3	61	+ 51
251	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	61 15	73 24	? 40	1003·5	1009·0	—10·4	..	266·4	10th	244·1	226·8	16th	..	*251·0*	—2·2	22	+ 12
253	Doudinka	69 23	86 4	20	1006·3	1009·0	— 8·9	..	258·1	11th	237·9	225·8	19th	..	*242·6*	..	3	..
254	Touroukhansk	65 47	87 57	45	1006·8	1013·1	— 7·3	..	262·9	11th	239·4	219·0	20th	..	*245·8*	—3·8	19	+ 9
262	Iakoutsk	62 1	129 43	108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
263	Verkhoïansk	67 33	133 23	100	1007·2	1022·8	0·0	..	241·2	26th	217·3	209·9	13th	..	*221·8*	—6·8	2	— 1
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1015·5	1019·2	+ 0·7	244·9	257·1	25th, 28th	235·3	225·5	3rd	240·1	‡*240·9*	—5·8	1	— 5
272	Novo-Mariinskii Post	64 45 N.	177 33 E.	22·7	1013·6	1016·7	+ 2·5	244·3	256·5	18th	240·3	229·5	1st, 2nd	242·3	‡*244·3*	—6·9	1	— 6
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

FEBRUARY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	990·2	—14·2	266·8	273·6	23rd, 27th	261·3	248·0	11th, 12th	264·1	..	..	38	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	986·8	—16·1	273·8	277·4	26th	268·8	260·8	13th	271·3	..	—1·5	..	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	994·6	—11·1	‡277·7	281·9	2nd, 20th	270·8	264·1	11th	274·3	..	..	139	..
309	Sitka	57 3	135 19	27·4	..	1004·4	— 6·4	277·6	283·0	21st	271·4	263·6	28th	274·5	*274·2*	0·0	78	..
310	Prince Rupert	54 18	130 18	51·8	999·3	1005·8	— 3·2	277·4	281·9	21st	270·8	258·6	28th	274·1	*273·8*	—0·9	179	..
311	Barkerville	53 2	121 35	1274	862·7	1012·9	— 5·5	268·0	278·0	9th	258·6	243·6	28th	274·1	*273·8*	—0·9	15	..
312	Kamloops	50 42	120 29	385	971·2	1019·3	— 3·1	273·6	281·3	10th	266·3	255·2	24th	269·9	*270·1*	0·0	25	..
313	Calgary	51 2	114 2	1045	890·5	1016·2	— 5·4	269·1	285·2	9th	258·0	242·4	26th	263·6	*262·6*	+0·3	28	..
314	Fort Chipewyan	58 42	111 10	218	992·4	1022·0	..	255·8	269·1	19th	245·8	229·1	25th	250·8	*251·3*	—0·6	11	..
315	Prince Albert	53 10	105 38	442	964·6	1022·5	+ 1·1	261·3	274·1	11th	249·7	229·7	26th	255·5	*255·3*	+1·0	4	..
316	Qu'Appelle	50 30	103 47	645	938·2	1021·7	+ 2·9	260·2	276·9	10th	249·1	227·4	26th	254·7	*254·0*	—1·6	35	..
317	Minnedosa	50 15	99 50	515	954·5	1021·7	— 0·1	261·3	275·8	10th	249·1	232·4	27th	255·2	*254·4*	—0·1	12	..
318	Berens River	52 18	97 23	216	..	..	..	260·7	268·6	11th	248·4	235·8	26th	254·5	..	+1·7	21	..
318*a*	Port Nelson	57 4	92 36	14·9	1017·3	1019·3	+ 3·3	255·2	266·3	5th	246·3	231·3	25th	250·8	..	+7·2	..	..
319	Fort Hope	51 33	87 49	‡260	982·7	1014·5	..	261·9	273·0	11th	250·8	236·9	28th	256·3	*256·5*	+3·7	55	..
320	Moose Factory	51 14	80 30	9·1	1012·3	1013·5	— 5·1	266·9	276·9	21st	254·1	241·3	27th	260·5	..	+0·5	48	..
321	Fort George	53 50	79 5	97·5	..	..	..	262·0	273·0	23rd	251·0	238·6	27th	256·5	*256·2*	..	9	..
322	Mistassini Post	50 15	73 55	383	..	..	..	264·7	273·0	22nd	251·4	237·4	11th	258·1	..	+3·4	30	..
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	270·2	277·4	19th	261·4	246·3	10th	265·8	..	+8·7	42	..
326	Belle Isle	51 53	55 23	133	983·6	1000·5	— 5·6	269·2	274·1	18th	260·8	249·7	9th, 10th	265·0	*265·9*	+4·1	..	..
334	Cahirciveen (Valencia Obs.)	51 56	W10 15	13·7	1002·5	1004·2	— 8·5	281·1	284·1	21st	277·1	271·9	18th	279·1	279·5	—0·7	73	..
335	Aberdeen	57 10	2 6	26·8	1007·3	1010·7	+ 0·4	276·9	279·1	24th	272·6	266·3	5th	274·8	275·2	—1·7	45	..
336	Greenwich	51 28	0 0	46·3	1003·4	1009·3	— 6·3	277·8	284·7	22nd	272·4	264·1	9th	275·1	275·1	—2·2	58	..
337	Uccle	50 48	E 4 22	100	997·5	1010·0	— 6·6	278·1	287·3	20th	271·0	258·9	8th	274·6	274·3	—0·8	57	..
338*a*	De Bilt	52 6	5 11	3·0	1009·7	1010·1	— 6·2	276·3	284·9	23rd	270·0	259·9	8th	273·1	273·3	—1·7	40	..
338*a*	Hamburg	53 33	9 58	26·0	1007·7	1010·9	— 4·2	275·6	283·7	22nd	271·6	262·0	8th	273·6	*273·3*	—0·8	29	..
339	Copenhagen	55 41	12 36	5·0	1010·3	1010·9	— 2·8	274·1	279·7	12th	270·8	262·3	8th	272·5	272·7	—0·5	23	..
340	Potsdam	52 23	13 4	84·9	1000·7	1011·4	— 4·7	276·0	285·4	21st	270·2	257·7	8th	273·1	272·8	—0·7	15	..
340*a*	Upsala	59 51	17 38	24	1008·1	1011·2	— 2·0	269·9	278·8	10th	262·4	253·9	27th	266·1	266·5	—1·9	21	..
341	Warsaw	52 13	21 1	133	995·9	1012·7	— 4·8	273·9	284·0	21st	268·7	261·0	6th	271·3	271·5	+1·0	8	..
342	Dorpat (Jurjev)	58 23	26 43	74·5	1001·9	1011·5	— 2·6	269·9	276·3	22nd	262·7	254·7	27th	266·3	266·5	+0·1	26	..
343	Petrograd	59 56	30 16	4·8	1009·1	1009·7	— 5·1	267·4	274·6	10th	259·1	242·0	25th	263·2	*263·2*	—1·3	51	..
344	Kiev	50 27	30 30	183	991·2	1014·6	— 4·4	271·0	277·2	24th	264·2	254·9	9th	267·6	*267·7*	+0·2	17	..
344*a*	Moscow	55 50	37 33	167	991·0	1012·7	— 5·9	266·8	274·1	23rd	259·0	247·5	13th	262·9	*262·8*	—0·3	41	..
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1001·4	1012·0	— 8·2	263·5	273·3	24th	255·1	243·7	15th	259·3	*259·3*	—1·1	55	..
347	Orenburg	51 45	55 6	109	1000·3	1014·9	— 9·1	262·5	273·2	16th, 17th	252·4	238·9	15th	257·4	*257·8*	—1·1	22	..
348	Perm	58 1	56 16	159	989·6	1010·8	— 8·7	..	269·5	9th	251·2	237·4	15th	..	*255·7*	—4·2	54	..
349	Ekaterinburg	56 50	60 38	281	974·0	1010·8	—11·1	261·9	271·6	9th	252·9	238·5	20th	257·4	*257·3*	—1·4	17	..
350	Tobolsk	58 12	68 14	?108	997·6	1012·1	—11·1	259·5	268·8	9th	250·5	240·8	20th	255·0	*255·0*	—2·3	..	..
351	Akmolinsk	51 12	71 23	?347	973·8	1019·0	— 9·2	264·3	277·5	14th	253·7	239·9	1st	259·0	*259·0*	+3·0	31	..
352	Omsk	54 58	73 23	87·9	1003·6	1015·5	—10·4	..	275·2	14th	250·2	234·7	2nd	..	*255·3*	0·0	13	..
353	Barnaoul	53 20	83 48	162	1001·4	1022·8	— 7·6	265·8	281·3	14th	254·3	229·7	1st	260·0	*260·4*	+4·7	..	..
354	Tomsk	56 30	84 58	122	1002·0	1018·3	— 9·1	..	277·6	14th	253·8	237·9	2nd	..	*258·6*	+2·6	..	..
355	Minousinsk	53 43	91 41	249	991·2	1023·9	— 7·3	..	279·2	28th	253·3	230·9	3rd	..	*259·9*	..	2	..
356	Eniseisk	58 27	92 10	77·6	1008·0	1018·5	— 9·4	..	277·0	14th	249·5	228·3	22nd	..	*256·0*	+1·6	30	..
357	Irkutsk	52 16	104 19	467	962·8	1023·4	— 8·8	..	276·9	15th	252·2	238·3	23rd	..	*258·8*	+3·5	14	..
358	Kirensk	57 47	108 7	263	986·2	1021·5	— 9·2	256·3	278·0	15th	240·8	210·2	9th	248·6	*253·1*	+2·9	19	..
359	Tchita	52 2	113 30	687	934·2	1022·7	— 8·9	..	277·8	16th	247·5	231·7	3rd	..	*254·7*	+4·4	0	..
360	Nertchinskii Zavod	51 19	119 37	626	941·0	1023·5	— 7·6	..	271·4	20th	244·3	233·7	3rd	..	*249·8*	+0·8	8	..
361	Tygan Ourkan	54 5	124 46	379	970·3	1021·8	..	255·4	268·5	16th	239·4	231·7	10th	247·4	*247·3*	..	9	..
362	Blagoveshchensk (Bureau Météor)	50 16	127 30	142	1000·8	1020·0	— 3·9	260·3	275·2	16th	247·6	237·7	12th	254·0	*253·7*	—0·5	8	..
363	Paikanskii Sklad	50 11	130 7	145	999·6	1019·5	..	260·0	271·0	23rd	240·5	229·0	12th	250·2	*249·8*	..	5	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1016·2	1019·1	+ 1·9	..	266·3	25th	240·5	227·1	4th	..	*247·3*	—5·4	10	..
366	Okhotsk	59 21	143 12	6·0	1017·4	1018·2	— 0·6	247·9	259·5	26th	241·2	233·0	13th	244·6	*245·1*	—6·5	0	..
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1005·8	1007·6	+ 3·9	265·6	269·9	22nd	255·7	248·5	4, 10, 11	260·6	*260·6*	..	19	..
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

FEBRUARY—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1003·0	1011·7	— 4·2	279·7	283·6	14th	275·2	270·2	24th	277·4	277·3	+ 0·1	70	— 20
412	Portland, Oregon	45 32	122 41	46·6	1008·4	1013·9	— 4·1	281·4	284·7	15th	270·3	273·6	2nd	278·9	*278·6*	+ 0·4	212	+ 72
413	Macleod	49 44	113 24	953	..	..	..	269·7	285·2	10th	257·9	241·3	24th	263·8	*263·8*	— 1·7	46	+ 32
414	Helena	46 34	112 4	1253	868·5	1015·6	— 4·3	271·1	283·6	9th	261·9	245·2	24th	266·5	*266·6*	— 0·8	30	+ 13
414*a*	Salt Lake City	40 46	111 54	1329	864·1	1013·9	— 4·8	277·7	285·8	11th	270·7	266·3	25th	274·2	*274·4*	+ 0·9	54	+ 17
415	Cheyenne	41 8	104 48	1856	805·5	1013·2	— 4·2	274·9	286·3	11th	263·9	254·1	3rd	269·4	*269·4*	— 0·4	7	— 7
415*a*	North Platte	41 8	100 45	859	913·9	1016·9	— 2·5	274·0	285·8	17th	262·7	249·1	28th	268·3	*268·2*	— 0·7	38	+ 25
417	Bismarck	46 47	100 38	511	957·0	1021·0	— 0·1	265·3	284·1	10th	256·3	241·9	25th	260·8	*261·2*	+ 1·4	16	+ 4
418	Winnipeg	49 53	97 7	232	990·2	1021·0	— 0·8	261·9	271·9	10th	253·0	238·6	26th	257·4	*256·9*	+ 2·5	11	— 10
419	Duluth	46 47	92 6	345	973·2	1016·6	— 2·4	267·1	274·7	11th	258·7	243·0	27th	262·9	*263·0*	+ 2·5	24	+ 1
420	Port Arthur	48 27	89 12	196	990·8	1016·1	— 2·9	269·7	275·8	12th	259·7	244·1	27th	264·7	*264·3*	+ 5·5	22	+ 4
421	Chicago	41 53	87 37	251	984·4	1015·6	— 3·2	275·3	284·1	3rd	260·1	261·3	26th	272·2	*272·7*	+ 2·7	71	+ 16
422	Toronto	43 40	79 24	116	1001·0	1015·8	— 2·3	274·7	284·7	28th	267·4	260·8	10th, 11th	271·1	270·7	+ 3·8	46	— 20
423	New York (Central Park)	40 46	73 58	30·2	1010·8	1014·6	— 3·1	277·9	284·1	28th	271·3	264·7	11th	274·6	274·4	+ 2·2	98	+ 7
424	St. John, N.B.	45 17	66 4	36·2	1003·5	1008·1	— 5·9	272·4	277·4	22nd	262·2	258·0	11th	268·8	268·6	+ 2·5	47	— 52
424*a*	S.W. Point, Anticosti	49 24	63 33	9·1	1005·4	1006·6	— 3·3	269·7	274·7	17th, 19th	264·7	255·8	11th	267·2	*267·4*	+ 4·1	37	— 4
425	Sable Island (Main Station)	43 57	60 6	7·6	1003·6	1004·6	— 7·9	274·1	285·8	16th	269·1	265·2	11, 12, 28	271·6	*271·7*	+ 0·4	64	— 57
426	Port aux Basques	47 35	59 10	9·1	1000·7	1001·9	— 8·3	271·3	277·4	19th	267·4	261·3	11th	269·4	*269·3*	+ 4·0	94	0
	St. John's, Newfoundland	47 34	52 42	38·1	990·5	995·3	—13·1	273·0	277·4	11th	267·4	259·7	28th	270·2	*270·2*	+ 2·0	81	— 48
435	Madrid	40 24	3 41	655	937·1	1014·1	— 6·3	285·8	291·2	23rd	277·2	269·5	4th	281·5	280·7	+ 1·8	88	+ 56
436	Nantes	47 15	W 1 34	36·5	1003·1	1007·6	—10·7	281·5	289·2	16th	275·4	267·5	9th	278·5	278·3	— 0·2	115	+ 60
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1003·7	1010·0	— 8·4	279·1	286·7	20th	272·1	261·0	8th	275·6	275·4	— 1·2	89	+ 56
438	Marseilles	43 18	5 23	75	..	1010·3	— 6·1	284·9	290·5	16th, 17th	276·6	269·4	5th	280·7	*281·4*	+ 1·0	68	+ 27
438*a*	Zürich	47 23	8 33	493	953·2	1013·5	— 6·9	277·5	285·8	21st	269·7	257·9	11th	273·6	272·9	— 0·9	74	+ 18
439	Rome	41 54	12 27	45	1004·7	1010·0	— 6·5	284·6	289·6	17th	276·8	269·1	10th	280·7	*280·4*	— 0·8	77	+ 13
440	Vienna	48 15	16 22	203	986·8	1012·1	— 6·9	275·5	286·3	23rd	270·5	264·1	9th	273·0	272·9	— 0·1	24	— 9
440*a*	Buda-Pesth	47 31	19 2	130	996·2	1012·3	— 6·8	278·1	287·8	23rd	271·2	260·8	9th	274·6	*274·2*	+ 1·2	49	+ 19
441	Sofia	42 42	23 20	550	947·2	1013·9	— 5·1	277·2	285·2	24th	269·9	259·9	11th	273·5	*273·3*	+ 0·2	25	— 4
442	Bucharest	44 25	26 5	82	1003·8	1014·2	— 6·1	275·8	285·9	24th	267·9	257·0	9th, 10th	271·8	271·4	— 1·0	25	— 2
443	Odessa (University)	46 26	30 46	42·8	1007·6	1013·0	— 6·4	273·7	279·4	24th	269·0	259·2	11th	271·4	*271·3*	+ 0·7	28	+ 7
444	Kharkov (University)	50 0	36 14	140	996·3	1014·3	— 6·4	270·2	280·6	24th	261·8	251·7	10th	266·0	*266·2*	— 1·0	43	+ 17
444*a*	Novorossiisk	44 44	37 49	37·1	1007·5	1012·1	— 6·2	280·8	287·8	7th, 24th	273·6	260·4	13th	277·2	*277·3*	+ 1·1	163	+ 94
445	Tiflis	41 43	44 48	404	967·5	1017·2	— 4·6	281·6	291·1	25th	273·7	265·3	15th	277·6	*277·2*	+ 2·2	22	+ 3
446	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 16	— 18·0	1016·7	1014·4	— 7·6	276·0	?284·2	20th	268·8	?260·3	23rd	272·4	*272·0*	+ 2·3	2	— 6
448	Krasnovodsk	40 0	52 59	— 17·2	1018·0	1015·9	— 5·7	281·5	290·6	27th	274·2	265·8	1st, 2nd	277·8	*277·7*	+ 0·4	10	— 5
449	Aralskoe More	46 47	61 42	56	1011·5	1019·0	— 7·4	267·3	?276·1	25th	258·0	245·0	1st	262·6	*262·5*	+ 3·2	26	..
450	Tachkent	41 20	69 18	478	962·7	1020·8	— 3·4	282·7	291·9	13th	271·7	261·1	1st	277·2	*276·7*	+ 2·4	44	+ 14
451	Narynskoe	41 26	76 2	?2015	796·4	..	..	..	..	..	271·0	..	21st	251·1	240·5	1st	..	*257·5*	— 0·8	15	..
452	Vernyi	43 16	76 53	841	..	..	..	274·9	285·7	19th	263·3	249·6	1st	269·1	*269·2*	..	23	..
462	Mukden	41 48	123 23	43·8	1017·5	1023·2	— 3·2	274·3	285·1	28th	260·8	248·0	4th	267·5	267·1	+ 3·8	0	— 6
463	Joshin	40 40	129 11	4·0	1020·2	1020·7	— 0·6	274·3	281·3	17th	263·0	253·8	5th	268·7	268·2	— 0·3	4	— 12
464	Fuki	42 20	130 24	65·6	1012·4	1021·0	..	271·9	284·7	17th	263·2	255·2	6th	267·5	267·5	..	4	..
465	Vladivostok	43 7	131 55	128	1004·3	1021·0	— 0·8	268·9	279·5	17th	260·5	249·5	4th	264·7	264·6	+ 1·6	6	— 3
466	Ochiai	47 20	142 46	6·6	1014·6	1015·5	+ 2·3	265·5	274·9	16th	251·0	235·2	9th	258·3	259·5	— 0·6	15	— 25
466*a*	Tsumuro	43 20	145 35	26·7	1011·6	1015·0	+ 2·3	270·8	276·5	17th	262·8	255·4	2nd	266·8	267·3	— 0·3	10	— 11
	Syana	45 14	147 53	39·3	1008·2	1013·3	+ 1·9	269·8	276·8	22nd	261·6	250·8	3rd	265·7	265·9	— 0·2	35	— 15
		N.	E.															

Between Latitude 40° N. and 30° N.

FEBRUARY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1012·9	1018·6	— 0·5	286·8	289·1	8th	280·9	277·4	23rd	283·9	*283·6*	—0·1	236	+145
512	San Luis Obispo	35 18	120 39	61·3	1012·5	1020·0	+ 1·0	287·9	291·9	16th	278·3	274·1	4th	283·1	*282·7*	—2·1	139	+ 41
513	San Diego	32 43	117 10	26·5	1015·5	1018·9	+ 1·3	288·8	292·4	16th	281·2	278·0	25th	285·0	*284·8*	—0·8	37	— 15
514	Mofena	37 48	113 54	1670	829·6	1013·9	— 3·5	276·8	284·7	8th	266·4	258·6	3rd	271·6	*272·2*	—0·5	30	+ 2
515	Santa Fé	35 41	105 57	2138	781·2	1013·9	— 2·0	275·4	284·1	11th	265·3	259·7	4th	270·3	*270·6*	—2·4	18	— 1
516	Denver	39 45	105 0	1613	830·8	1012·8	— 3·4	278·2	289·1	11th	266·8	259·7	3rd	272·5	*272·5*	0·0	13	0
517	Abilene	32 23	99 40	530	952·9	1014·9	— 3·4	287·7	299·1	11th	275·4	268·6	9th	281·6	*281·0*	+0·9	11	— 14
518	Saint Louis	38 38	90 12	173	994·2	1015·2	— 4·5	280·2	288·0	11th	271·1	264·1	9th	275·6	*275·3*	+1·5	39	— 31
520	Mobile	30 41	88 2	17·4	1014·1	1016·2	— 3·4	289·6	298·6	22nd	280·4	272·4	10th	285·0	*285·0*	+0·2	190	+ 55
521	Nashville	36 10	86 47	166	997·0	1017·3	— 2·9	282·9	291·3	13th	273·3	267·4	26th	278·1	*278·3*	+0·2	56	— 54
522	Charleston	32 47	79 56	14·6	1014·8	1016·6	— 3·5	287·6	294·1	23rd	280·3	273·0	10th	283·9	*284·1*	+0·2	140	+ 56
524	Washington	38 54	77 3	34·1	1012·6	1016·9	— 2·7	279·4	288·6	14th	272·3	266·9	11th	275·9	*275·4*	+1·0	51	— 33
530	Bermuda	32 17	64 46	46·0	1008·0	1013·5	— 5·2	291·3	294·1	26th	285·8	281·3	11, 12, 20	288·6	*288·4*	—1·6	91	— 25
531	Santa Cruz (Flores)	39 27	31 9	28	1002·2	1005·3	—15·8	289·1	291·8	12th	284·5	279·5	10th	286·8	*286·9*	+0·3	259	+ 79
532	Horta	38 32	28 38	65	999·3	1006·7	—14·4	289·1	290·4	12th	285·6	281·6	9th	287·4	287·5	+0·2	199	+ 99
532*a*	Ponta Delgada	37 44	25 40	22	1007·0	1008·8	—11·4	289·2	290·7	4th	286·3	282·6	10th, 25th	287·8	287·9	+0·8	..	..
533	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	234	+110
534	Madeira (Funchal)	32 37	16 54	25	1017·2	1020·2	— 0·6	292·3	296·0	7th	286·8	283·9	10th	289·5	*289·6*	+1·0	120	+ 41
535	Lisbon	38 43	9 9	95	1003·3	1014·8	— 4·9	287·8	289·4	23rd	284·2	283·3	25th, 26th	286·0	*286·0*	+1·8	126	+ 35
536	Gibraltar	36 6	5 21	16·2	1015·9	1017·8	— 2·2	290·4	294·1	16th, 22nd	284·0	281·3	4th, 5th	287·2	*287·1*	+0·9	81	— 26
536*a*	Melilla	35 18	2 59	8	‡1016·2	‡1017·2	— 3·1	291·4	299·2	23rd	282·3	279·8	4th	286·8	*286·8*	—1·7	13	— 55
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

FEBRUARY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe betwwen Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1010·5	1013·3	— 4·4	288·7	298·0	20th	280·4	276·8	4th	284·5	..	+0·2	41	..
538	Algiers (Bouzaréah)	36 48	3 2	343	973·9	1014·4	— 4·1	287·7	295·6	16th	282·7	276·7	4th	285·2	284·9	+1·7	82	..
539	Tunis	36 48	10 10	21	1011·2	1013·7	..	288·6	296·6	17th	281·6	278·0	10th, 11th	285·1	*284·3*	+1·3	58	..
539*a*	Malta	35 54	14 31	56·4	..	1009·1	— 7·7	288·8	293·8	18th, 19th	283·6	279·7	14th	286·2	*285·7*	+0·3	30	..
540	Riposto	37 41	15 14	14·2	..	1012·2	— 4·9	288·1	291·8	24th	282·6	278·2	10th, 11th	285·3	*284·7*	+0·1	100	..
541	Athens	37 58	23 43	107	997·9	1010·9	— 5·7	287·3	290·8	22nd	280·8	272·5	12th	284·0	284·1	+2·1	26	..
542	Alexandria	31 12	29 53	32·0	1011·5	1015·3	— 2·1	294·7	299·2	15th, 18th	284·2	282·0	5th, 6th	289·5	*288·9*	+1·4	4	..
543	Cairo (Helwan)	29 52	31 20	116	1002·3	1016·2	— 0·7	296·6	302·7	22nd	283·7	280·6	13th	290·1	289·6	+2·4	1	..
544	Nicosia (P.W.D.)	35 9	33 22	159	..	1013·1	— 2·7	289·8	293·6	19th	279·8	275·8	13th	284·8	..	+1·5	82	..
544*a*	Beirut	33 54	35 28	33·7	..	1015·1	— 0·5	291·3	300·4	23rd	285·3	281·3	2nd	288·3	*288·1*	+1·4	251	..
545	Baghdad	33 21	44 28	38·1	..	1018·6	— 1·0	290·9	295·1	24th	281·8	276·0	14th	286·4	*284·7*	+0·9	29	..
546	Busrah	30 31	47 53	7·6	1018·6	1019·7	— 0·7	292·7	299·7	26th	280·9	275·8	16th	286·8	..	—0·2	34	..
546*a*	Lenkoran	38 46	48 52	—20	1017·9	1015·5	— 5·9	..	..	..	275·4	270·3	14th	..	*279·1*	+1·6	29	..
547	Teheran	35 41	51 25	1220	..	..	..	?285·3	?293·3	23rd	?275·1	?268·3	15th	?280·2	*?280·1*	+1·9	30	..
548	Meshed	36 16	59 35	946	..	..	..	..	..	..	..	..	..	..	..	..	..	..
549	Seistan	31 0	61 30	?	..	..	..	292·6	304·9	28th	276·2	270·6	18th	284·4	..	..	3	..
550	Quetta	30 11	67 3	1677	835·1	..	+ 1·1	286·3	294·8	28th	271·8	266·7	1st	279·1	*279·0*	+0·5	29	..
551	Peshawar	34 2	71 37	339	979·1	1020·1	+ 0·7	292·5	298·2	28th	278·7	276·3	1st, 9th	285·6	*285·0*	+0·3	21	..
551*a*	Lahore	31 34	74 20	214	992·0	1017·8	+ 1·1	294·0	297·9	28th	280·6	277·1	3rd	287·3	*287·1*	0·0	24	..
552	Simla	31 7	77 8	2205	781·3	..	+ 1·4	281·6	285·6	15th	275·6	270·8	18th	278·6	*278·5*	+0·7	50	..
552*a*	Leh	34 10	77 42	3503	666·2	..	+ 2·7	..	..	..	260·8	254·7	3rd	..	*‡263·3*	..	0	..
559	Hankow	30 35	114 17	37·0	1021·3	1025·9	+ 0·4	284·8	293·0	28th	276·1	267·0	2nd	280·5	*280·2*	+1·6	12	..
560	Tientsin	39 10	117 10	5·0	1023·8	1024·4	— 2·0	279·6	290·8	28th	267·5	256·2	1st	273·5	*273·1*	+1·8	0	..
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1024·5	— 0·5	280·9	290·5	15th	273·1	266·1	5th	277·0	276·7	—0·4	48	..
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1014·8	1023·5	+ 0·4	276·3	284·7	27th	267·7	257·9	5th	272·0	271·3	+0·1	2	..
562*a*	Nagasaki	32 44	129 52	133	1003·9	1020·3	— 0·4	283·7	290·4	28th	276·5	268·3	5th	280·1	279·7	+0·9	71	..
563	Kioto	35 1	135 44	42·9	1014·3	1019·7	+ 1·1	282·4	289·8	17th	272·1	265·7	6th	277·3	277·0	+1·3	57	..
564	Tokio	35 41	139 45	21·3	1014·5	1017·1	+ 1·0	280·9	288·8	28th	272·9	268·0	9th	276·9	276·7	0·0	142	..
565	Kanayama	37 53	140 46	24·6	1014·2	1017·3	+ 1·7	279·3	285·0	17th	270·6	260·9	2nd	274·9	274·7	+0·7	183	..
566	Miyako	39 38	141 59	30·4	1012·7	1016·5	+ 1·9	279·3	286·6	17th	269·0	261·5	13th	274·1	273·4	+0·9	122	..

FEBRUARY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1019·3	+ 3·5	295·3	298·6	26th	288·7	282·4	15th	292·0	..	..	58	..
605	Honolulu	21 19	157 52	11·6	1019·9	1021·2	+ 3·8	297·8	299·1	..	293·1	290·2	..	295·4	*295·1*	+0·8	7	..
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	857·4	1016·4	..	291·0	299·0	27th	273·8	269·2	5th	282·4	*281·7*	..	0	..
616	Leon	21 7	101 41	1809	821·1	1012·3	— 0·1	294·0	298·6	24th	281·7	277·4	5th	287·8	*287·8*	—0·5	18	..
616*a*	Monterry	25 40	100 18	528	953·8	1014·2	..	296·2	307·3	12th	284·5	278·9	27th	290·3	*289·9*	..	10	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	297·0	..	..	274·0	..	..	285·5	—0·7	5	..
618	Galveston	29 18	94 50	16·5	1014·7	1016·9	— 1·9	289·1	294·1	20th	282·9	275·8	9th	286·0	*286·0*	—0·1	62	..
618*a*	New Orleans	29 57	90 4	16·2	..	1016·2	— 2·8	290·8	296·9	28th	282·5	275·2	10th	286·7	*286·5*	0·0	166	..
619	Merida, Yuc.	20 58	89 38	22	1014·9	1017·4	..	302·2	307·0	25th	292·4	289·4	9th, 10th	297·3	*296·7*	..	3	..
620	Havana	23 8	82 21	24·3	..	1017·0	— 0·9	298·7	303·1	22nd	291·7	284·4	12th	295·2	*295·0*	+0·4	63	..
620*a*	Key West	24 33	81 48	6·7	1016·0	1016·6	— 2·0	297·1	301·3	28th	291·6	285·8	11th	294·3	*293·5*	—1·1	37	..
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·3	— 0·3	297·6	301·3	6th	292·1	288·6	11th	294·9	*294·8*	—0·3	22	..
622	Watling Island	24 6	74 26	33·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
633	Izaña	28 19	16 30	2367	769·4	..	..	285·7	294·8	21st	276·8	268·9	11th	281·3	*280·8*	..	1	..
634	La Laguna	28 28	W16 20	547	953·7	1017·3	— 1·4	292·0	296·3	23rd	282·0	277·8	22nd	287·0	*286·3*	+1·3	5	..
637	Insalah	27 1	E 2 21	?280	..	..	..	300·7	308·0	28th	279·5	274·0	3rd	290·1	*291·4*	+1·9	0	..
641	Siwa	29 12	25 29	—23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642					..	..	..	..	..	..	..	..	..	..	..	..	..	..
643	Aswan	24 2	32 53	99·6	1003·8	1015·6	— 0·9	301·5	309·5	23rd	284·9	281·3	16th	293·2	*292·3*	+2·3	..	..
644	Tor	28 14	33 37	1·9	1015·2	1015·4	— 0·6	296·2	302·0	5th	284·5	280·5	3rd	290·3	*289·9*	+1·8	..	..
647	Bushire	28 59	50 53	4·3	1017·2	1017·8	+ 1·1	293·0	301·3	27th	285·8	282·1	15th	289·4	*289·1*	+1·3	47	..
648	Jask	25 44	57 47	4·0	1016·8	1017·3	+ 1·1	297·7	299·7	24th	289·7	286·9	16th, 17th	293·7	*293·4*	+0·4	27	..
649	Robat	29 45	60 55	?	910·3	..	..	294·4	302·8	28th	274·3	267·1	16th	284·4	..	..	1	..
649*a*	Karachi	24 53	66 57	4·0	1016·8	1017·4	+ 1·0	297·8	302·0	12th	289·1	284·7	1st, 18th	293·4	*293·1*	—0·6	0	..
650	Jacobabad	28 17	68 29	56·7	1010·6	1017·4	+ 1·0	300·5	306·2	28th	283·0	276·1	18th	291·8	*291·4*	+1·5	0	..
651	Jaipur	26 56	75 52	436	967·9	1018·7	+ 1·7	298·1	302·8	25th	283·2	277·1	3rd	290·7	*290·3*	—0·6	0	..
652	Nagpur	21 8	79 5	310	980·7	1016·5	+ 1·3	302·2	306·1	17th	288·7	283·0	19th	295·4	*295·2*	—1·1	42	..
653	Allahabad	25 25	81 51	94·1	1006·9	1018·2	+ 2·4	297·4	302·7	17th	283·5	280·4	4th	290·4	*289·8*	—1·2	17	..
653*a*	Darjiling	27 3	88 18	2266	776·3	..	+ 0·7	283·4	287·2	16th	275·7	272·8	2nd	279·5	*279·4*	+1·0	50	..
654	Calcutta	22 36	88 23	6·4	1015·9	1016·6	+ 1·7	300·6	303·7	28th	288·6	284·3	4th	294·6	*294·3*	0·0	29	..
655	Gauhati	26 8	91 41	59·7	1010·2	1017·4	+ 1·1	299·3	302·3	18th	283·8	280·4	4th	291·6	*290·7*	+0·3	7	..
655*m*	Cherrapunji	25 15	91 42	1314	870·7	..	+ 1·0	280·9	292·8	18th, 25th	281·8	278·1	2nd	285·9	*285·2*	+0·6	2	..
655*a*	Akyab	20 11	92 56	6·1	1014·3	1015·1	+ 0·9	301·4	303·9	25th	288·3	284·8	4th	294·8	*294·6*	—0·9	3	..
656	Mandalay	21 59	96 0	76·2	1006·3	1015·2	+ 1·2	305·7	308·8	19th	289·0	285·3	5th	297·4	*296·7*	+0·4	1	..
656*a*	Tengyueh	24 59	98 35	1633	835·3	..	..	290·7	293·6	16th, 24th	275·3	271·3	4th	283·0	*282·2*	..	26	..
657	Phu Lien	20 48	106 37	116	1004·7	1018·6	+ 1·5	292·0	300·7	20th	286·8	280·6	5th	289·4	*288·9*	—0·9	23	..
658	Moncay	21 31	107 51	9·0	1018·0	1019·1	+ 1·9	291·6	299·6	24th	285·1	278·6	4th	288·4	*288·2*	—1·1	28	..
659	Hong Kong	22 18	114 10	33·2	..	1019·4	+ 0·7	289·5	295·5	27th	285·8	277·1	4th	287·7	287·4	—0·4	38	..
660	Amoy	24 27	118 4	ca.3	1021·7	1022·1	+ 0·8	287·8	295·2	27th	283·1	276·9	5th	285·5	*285·6*	—1·0	134	..
661	Taihoku, Formosa	25 2	121 31	9·3	1019·9	1021·0	+ 1·0	291·3	299·5	27th	283·0	277·2	4th	287·2	286·9	—0·7	194	..
661*a*	Basco (Santo Domingo)	20 28	121 59	18·7	..	..	..	298·4	302·4	8th	292·3	287·2	18th	295·3	*295·5*	0·0	140	..
662	Naha	26 13	127 41	10·5	1018·1	1019·4	+ 0·4	292·7	298·8	27th	285·3	279·0	6th	289·0	289·1	+0·1	168	..
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1016·8	1017·3	+ 0·7	294·2	296·8	3rd	288·1	283·4	8th	291·1	291·4	+0·9	118	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.

FEBRUARY—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·6	1012·3	..	302·6	306·0	22nd	290·4	285·9	6th	296·5	*295·5*	..	1	..
716	Morelia	19 42	101 7	1923	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·3	1013·8	— 0·5	295·3	299·2	24th	279·8	274·9	15th	287·6	286·8	+0·2	5	— 2
718	Salina Cruz	16 12	95 12	56	1005·8	1012·3	..	301·6	304·8	19th	295·2	291·8	27th	298·4	*298·0*	..	4	..
719	San Salvador	13 42	89 13	‡665	937·2	1011·4	— 0·2	308·8	311·6	23rd, 26th	289·5	286·0	27th	299·1	*297·2*	+1·4	14	+ 10
720	Belize	17 29	88 12	5·2	1014·3	1015·0	— 0·2	300·9	303·6	5th	294·4	290·2	7th	297·7	*297·3*	—0·3	46	— 29
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·4	— 0·9	302·0	304·4	26th	293·7	290·4	12th	297·9	*297·7*	+0·5	59	+ 20
722	Port au Prince	18 34	72 22	37·4	1011·2	1015·5	— 0·5	304·0	307·0	27th	294·0	290·3	15th	299·0	*298·4*	+0·3	62	+ 5
724	Caracas	10 30	66 55	1042	900·4	1016·7	+ 1·0	300·2	304·0	4th	285·9	281·7	13th	293·1	*291·3*	—0·1	..	— 11
724*a*	Montserrat	16 41	62 9	39·6	1011·0	1015·6	— 0·6	303·8	305·8	6, 10, 16	294·2	291·9	3rd, 6th	299·0	*298·4*	..	54	..
725	Grenada (Richmond Hill)	12 5	61 46	155	995·9	1013·9	+ 0·3	301·6	304·1	13th	295·7	294·1	21st	298·7	*298·3*	+0·7	48	— 24
726	Barbados	13 8	59 36	55·2	..	1015·2	+ 0·3	302·1	303·4	28th	293·9	?291·6	1st	298·0	*297·3*	+0·6	33	— 2
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·6	1015·9	+ 0·7	296·5	299·0	9th	291·4	290·0	1st	293·9	*294·6*	—0·4	0	— 5
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·4	1015·1	+ 0·2	299·7	302·9	23rd	294·0	292·0	9th	296·9	*296·7*	+1·7	0	— 2
733	Bathurst	13 27	16 36	1·8	1014·0	1014·2	+ 1·2	305·9	310·8	23rd	..	..	..	..	*300·1*	+3·1	0	0
735	M'Carthy Island	13 33	14 45	1·1	..	..	..	311·0	314·1	20, 22, 23	291·1	285·8	2nd, 3rd	301·1	..	+0·7	0	0
736	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
738	Sokoto	13 2	E 5 14	353	..	..	..	307·6	311·3	13th	290·1	286·3	6th, 7th	298·9	*298·7*	0·0	0	0
739	Kaduna Capital	10 32	7 25	637	943·6	1014·8	+ 0·1	306·8	309·1	22nd	289·4	286·9	24th	298·1	*298·0*	+0·2	0	— 1
740	Hadejia	12 40	10 2	?	..	..	..	308·9	313·6	13th	288·9	283·6	24th	298·9	*298·7*	+1·2	1	..
741	Maiduguri	11 47	13 11	361	..	..	..	309·7	312·6	14th	289·6	284·1	24th	299·7	*299·6*	+0·8	0	0
	El Fasher	13 32	25 18	730	..	..	..	306·2	312·0	5th	287·6	284·0	27th	296·9	..	..	0	..
743	El Obeid																	
743*a*	Khartoum	13 11	30 14	569	..	..	..	307·6	312·6	6th	287·4	284·0	19th	297·5	*297·8*	+3·4	0	0
744	Port Sudan	15 37	32 33	390	967·1	1011·2	+ 0·1	306·8	314·0	6th	290·2	286·9	18th	298·5	*298·3*	+1·2	0	— 6
745	Berbera, Somaliland	19 37	37 13	5·5	1012·2	1012·8	— 0·9	302·0	303·0	sev. dates	294·0	291·5	28th	298·0	*297·4*	+1·6	0	— 8
746	Aden	12 45	45 2	9·5	1014·4	1015·4	+ 0·1	302·2	305·2	12th	295·2	291·9	24th, 27th	298·7	*298·8*	+1·2	0	— 5
		12 45	45 3	28·7	1012·2	1015·4	+ 0·1	299·9	301·7	15th	296·3	294·6	14th	298·1	*297·5*	+0·1	0	— 5
751	Bombay	18 54	72 49	11·3	1013·7	1015·0	+ 0·4	301·0	302·5	10th, 23rd	293·2	290·8	19th	297·1	*296·7*	—0·1	0	— 1
751*a*	Cochin	10 58	76 21	2·7	1013·6	1013·9	+ 0·8	305·1	307·8	13th	297·4	295·9	6th	301·2	*300·7*	+0·4	19	— 2
752	Kodaikanal	10 14	77 28	2343	773·1	..	+ 0·9	292·5	294·5	12th	281·8	279·6	23rd	287·2	*287·2*	+0·4	8	— 26
752*a*	Bangalore	12 59	77 38	920	913·8	1014·9	+ 1·2	304·2	305·4	27th, 28th	290·0	287·8	24th	297·1	*296·7*	+1·5	0	— 4
753	Madras	13 4	80 14	6·7	1014·5	1015·2	+ 0·9	303·9	307·2	19th	294·9	293·3	23rd	299·4	*298·9*	+1·1	0	— 8
754	Vizagapatam	17 42	83 19	11·6	1014·1	1015·4	+ 0·9	301·6	303·2	26th	296·8	294·6	16th	299·2	*298·7*	+1·1	25	+ 2
755	Port Blair	11 40	92 40	17·7	1012·1	1014·1	+ 1·0	303·4	305·2	1st	297·5	294·9	23rd	300·4	*299·9*	—0·1	18	— 6
756	Rangoon	16 46	95 48	5·5	1014·0	1014·6	+ 1·3	307·0	308·6	2nd	292·7	289·2	13th	299·8	*298·6*	+0·4	5	— 2
757	Saigon	10 47	106 42	11·2	1011·4	1012·6	+ 1·5	306·6	308·8	8th	295·6	293·0	5th	301·1	*300·4*	+0·9	0	— 3
758	Nhatrang	12 15	109 12	3·6	1014·4	1014·8	+ 1·0	302·3	304·7	23rd	294·2	292·8	17th	298·3	*297·8*	+0·3	7	— 10
759	Bolinao	16 24	119 53	7·1	..	1012·1	+ 0·5	304·7	307·8	12th	294·7	292·0	7th	299·7	*298·8*	—0·2	0	— 11
761	Vigan	17 34	120 23	12·2	..	1013·5	+ 1·4	304·0	306·5	16th	293·8	290·2	18th	298·9	298·6	0·0	0	— 5
761*a*	Manila	14 35	120 59	14·2	..	1013·9	+ 1·3	305·0	306·9	22nd	292·6	289·7	3rd, 4th	298·8	298·2	0·0	11	+ 1
762	Ormoc	11 0	124 36	5·6	..	1010·8	+ 0·4	305·5	306·7	24th	294·2	292·2	14th	299·9	*299·3*	+1·2	12	— 98
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1012·0	+ 1·9	302·7	304·2	19th	296·7	295·0	18th	299·7	*299·2*	+0·1	14	— 62
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 10° N. and 0°.

FEBRUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Canning Island	3 55	159 23	3·1	..	..	..	304·2	306·3	6th, 7th	299·1	295·8	14th, 16th	301·7	*301·3*	+1·8	306	+ 26
821	Colon	9 23	79 23	11·0	..	1012·3	+ 0·3	301·1	301·9	26th	298·3	295·2	14th	299·7	*299·4*	+0·3	9	— 33
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	30	— 28
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·9	..	..	298·6	300·7	1st	288·2	286·4	18th	293·4	*292·4*	..	4	..
824	El Peru, Guayanavieja	7 19	61 49	220	986·6	1011·9	+ 0·6	..	..	..	..	..	..	..	‡*295·4*	+0·5	5	— 70
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1015·1	+ 1·6	302·2	303·0	13th, 14th	297·4	296·3	2, 11, 15	299·8	*299·5*	+0·7	11	—137
826*a*	Paramaribo	5 49	55 9	3·7	1014·4	1014·8	+ 1·6	302·4	303·5	5th	295·0	292·8	13th	298·7	*298·5*	+0·4	27	—152
	Cayenne	4 56	52 21	6	..	..	..	302·5	303·4	27th	293·7	292·0	13, 15, 23	298·1	*297·1*	—1·3	725	+413
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1003·6	1011·5	+ 0·5	305·8	309·7	13th	..	..	..	..	‡*300·8*	+0·2	0	— 7
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	21	— 5
837	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	..	..	46	+ 21
838	Lagos	6 27	E 3 24	4·6	1011·9	1012·4	..	304·9	305·9	..	298·3	295·5	..	301·6	*301·1*	+0·8	70	+ 19
839	Zungeru	9 48	6 10	130	..	..	..	310·2	312·4	11, 27, 28	293·4	289·7	25th	301·8	*301·7*	+0·2	0	— 1
840	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Yola	9 12	12 30	259	..	..	..	309·6	312·4	12th, 13th	295·3	291·9	7th	302·4	*302·3*	+0·5	0	0
	Wau	7 42	28 3	440	959·9	1008·7	+ 0·3	..	..	..	294·5	291·0	21st, 28th	..	*301·8*	+1·8	0	— 6
843	Malakal (Kodok)	9 35	31 37	394	964·7	1008·7	+ 0·6	311·9	314·6	5th	293·7	290·1	13th	302·8	*301·3*	..	0	0
843*a*	Mongalla	5 11	31 47	439	959·2	1007·9	+ 0·9	310·9	315·0	4th	296·6	293·0	28th	303·7	*302·3*	+1·7	19	0
844	Entebbe	0 5	32 29	1171	884·5	..	+ 1·3	299·8	303·3	1st	291·1	289·2	25th	295·4	*294·9*	+0·2	179	+ 88
847	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
850	Minicoy	8 17	72 49	2·1	1014·5	1014·7	+ 1·8	..	..	..	..	..	..	..	..	..	1	— 15

FEBRUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1 S.	155 1 W.	7·9	..	..	..	..	..	..	..	..	..	..	*300·8*	+0·2	377	
924	Manaos	3 8	60 1	43·8	..	..	..	304·7	308·2	10th	296·7	295·6	21st	300·7	*299·8*	—0·1	216	
926	Taperinha	2 30	54 20	20·0	1009·3	1011·6	+ 0·2	302·1	304·4	6th	295·9	294·8	14th, 17th	299·0	*298·2*	+0·6	219	
927	Turyassu	1 43	45 26	15·1	1009·3	1011·0	+ 0·1	305·7	308·5	7th	296·1	293·5	27th	300·9	*299·6*	+0·9	139	
928	Barra do Corda	5 30	45 16	81·0	1000·7	1010·1	— 0·3	304·4	307·2	4th	295·3	294·0	16th	299·8	*298·5*	+0·5	160	
929	Quixeramobim	5 16	39 15	207	988·2	1011·4	+ 0·1	307·0	308·5	13th	298·5	297·7	9th	302·8	*301·9*	+1·4	7	
930	Fernando Noronha	3 50	W32 25	106	1000·6	1012·8	+ 0·6	302·0	302·5	13th, 21st	297·7	295·9	4th	299·8	*299·4*	..	5	
939	Loanda	8 49	E 13 13	59·3	..	1012·2	+ 1·5	299·3	301·0	6th	295·8	294·5	24th	297·5	297·6	—1·2	0	
940	Brazzaville	4 17	15 16	320	975·9	1012·0	+ 0·5	305·9	309·5	27th	294·1	291·0	4th	300·0	*299·2*	+0·7	80	
943	Masaka	0 21	31 47	?1280	..	..	..	299·8	303·6	5th, 8th	289·3	288·6		294·6	*292·9*	—0·3	117	
944	Nairobi	1 14	36 44	1800	..	..	..	298·6	301·9	11th	285·8	283·6	3, 11, 23	292·2	*291·6*	+0·8	123	
944a	Zanzibar	6 10	39 11	21·9	1011·5	1013·8	+1·1	304·1	306·4	25th	300·2	298·7	12th	302·1	*301·5*	+0·8	27	
945	Lamu	2 16	40 50	3·1	..	..	..	304·1	305·8	24th	294·7	294·1	20th	299·4	*298·8*	—1·1	0	
947	Seychelles, Port Office	4 37	55 27	4·6	1011·6	1012·1	+ 0·7	302·1	303·3	..	298·8	297·4	1st, 19th	300·4	*299·8*	+0·7	299	
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	294	
958	Batavia	6 11	106 50	8·0	1010·2	1011·1	+ 1·1	302·2	304·6	22nd	296·7	295·6	24th	299·5	299·2	+0·7	486	
958a	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	395	
959	Passeroean	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	264	
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	569	
962	Ambon	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	82	
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	304	
965	Daru	9 4	143 13	7·6	..	1010·0	+ 1·0	304·4	..	..	..	..	..	..	‡*301·1*	+0·7	0	
966	Port Moresby	9 29	147 9	39·0	..	1010·8	+ 1·9	304·8	..	..	296·9	..	..	300·8	*300·3*	+0·1	146	
967	Rendova	8 30	157 12	1·8	1000·9	1010·0	+ 2·5	..	..	..	..	..	..	..	..	..	231	
968	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·0	1010·2	+ 2·4	305·6	307·8	25th	298·0	296·4	6th	301·8	*301·5*	+1·1	91	
969	Ocean Island	0 52	169 35	20·0	1006·0	1008·3	+ 0·4	304·6	306·9	2nd, 11th	297·7	295·2	24th	301·1	*300·5*	+0·2	605	
970		S.	E.															

FEBRUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48 S.	171 46 W.	2	..	1008·4	0·0	303·1	305·6	24th	296·9	295·9	sev. dates	300·0	299·9	+0·8	158	
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	304·7	306·9	16, 17, 25	..	..	..	..	..	..	141	
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	
1021	Arequipa	16 22	71 33	2451	761·7	..	+ 0·6	294·6	297·3	5th	284·0	280·3	9th	289·3	*288·4*	+1·6	37	
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	..	..	..	..	..	..	
1023	Sucre, Bolivia	19 30	64 24	2848	730·0	..	..	290·7	295·2	20th	283·2	280·8	7th	286·9	*286·6*	..	68	
1024	Corumba	18 59	57 39	116	995·5	1008·8	— 0·7	307·5	310·4	14th	295·7	290·6	13th	301·6	*300·5*	+1·0	40	
1025	Cuyaba	15 36	56 6	165	989·8	1008·6	— 0·7	304·2	307·0	16th, 27th	298·6	295·6	11th	301·4	*301·1*	+0·9	156	
1026	Bello Horizonte	19 55	43 57	857	917·5	1012·9	0·0	298·8	303·0	22nd	291·5	288·4	15th	295·1	*294·5*	—0·8	336	
1027	Caetite	14 3	42 37	900	915·6	1014·5	+ 1·2	298·5	302·0	16th	291·5	289·3	22nd	295·0	*295·2*	—0·4	233	
1028	Ondina (Bahia)	13 0	38 31	46·6	1007·9	1013·2	+ 0·4	302·3	306·0	14th	296·5	294·7	16th	299·4	*298·8*	—0·2	153	
1029	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
1030	St. Helena	15 57	W 5 40	632	945·6	1016·5	+ 0·8	297·3	300·8	5th	288·8	287·4	12th	293·1	*292·7*	+1·0	91	
1035	Gwelo	19 28	E 29 48	1417	860·7	..	+ 0·5	299·8	304·7	10th	286·1	280·2	4th	292·9	..	—1·0	70	
1042	Salisbury, Rhodesia	17 48	31 5	1457	855·6	..	0·0	298·7	301·9	8th, 9th	287·7	281·9	4th	293·2	*292·3*	—0·2	213	
1043	Zomba	15 23	35 18	996	905·8	1015·9	+ 1·1	300·5	306·9	2nd	291·6	288·6	6th	296·1	*295·3*	+0·7	241	
1044	Tananarive	18 55	47 32	1400	863·5	..	+ 1·6	298·2	300·3	10th	289·9	287·6	16th	294·1	*293·3*	+0·5	280	
1045	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	
1046	Cocos Keeling Is.	12 5	96 53	4·6	1011·9	1012·5	+ 1·7	303·4	305·2	26th	298·3	296·3	5th, 6th	300·9	*300·5*	+0·4	75	
1056	Christmas Island	10 25	105 43	5·5	1008·2	1008·8	+ 1·1	304·1	306·3	..	297·4	296·3	..	300·8	*300·1*	+0·4	279	
1057																		
1058																		
1061	Koepang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	213	
1061a	Derby	17 18	123 40	16·2	1008·5	1010·4	+ 2·9	305·6	308·0	26th	298·3	295·2	26th	301·9	..	—1·1	241	
1062	Hall's Creek	18 13	127 46	374	968·8	1010·0	+ 2·7	306·8	309·7	28th	296·9	294·7	18th	301·9	*301·5*	—0·6	167	
1063	Darwin	12 28	130 51	29·6	1005·8	1009·1	+ 2·7	305·8	307·9	16th	298·7	296·6	26th	302·2	*301·2*	+0·6	162	
1064	Daly Waters	16 16	133 23	211	984·0	1007·4	+ 2·0	306·6	310·2	15th	296·4	294·7	3, 17, 25	301·5	*301·1*	—1·1	262	
1065	Mein	13 13	142 47	122	995·6	1009·3	+ 2·7	304·8	308·1	10th	295·6	294·1	11th	300·2	..	—0·1	267	
1066	Georgetown, Queensland	18 22	143 32	302	978·1	1011·7	+ 4·1	306·7	309·2	10th	296·0	293·0	9th	301·3	..	+0·6	70	
1067	Samarai	10 37	150 40	15·2	..	1009·0	+ 1·2	304·6	..	..	297·7	..	..	301·1	*300·8*	+0·4	358	
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1010·9	+ 2·0	302·6	305·6	26th	296·4	294·3	28th	299·5	*299·2*	—0·4	193	
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

FEBRUARY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12 S.	159 47 W.	6	..	..	..	..	..	..	..	..	..	..	..	..	188	— 66
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·0	1014·2	0·0	294·8	297·4	3rd	289·2	286·2	22nd	292·0	*291·6*	+1·6	0	0
1122	Iquique	20 12	70 11	9	..	..	..	..	..	..	288·8	287·5	18th	..	*294·0*	—0·1	0	0
1123	Catamarca	28 27	65 47	510	948·6	1005·2	— 2·0	306·3	312·0	6th	292·6	287·0	15th	299·5	299·2	+0·2	77	+ 14
1124	Salta	24 46	65 28	1178	881·7	1009·1	+ 0·4	299·7	304·5	6th	289·0	283·1	25th	294·3	294·9	+0·6	60	— 65
1125	Goya	29 9	59 15	26	1007·6	1010·6	+ 0·1	305·4	311·3	6th	292·1	285·8	23rd	298·7	298·4	+0·2	109	+ 9
1126	Asuncion	25 21	57 37	95	‡1002·1	‡1013·1	+ 1·4	306·4	311·9	14th	294·2	286·4	24th	300·3	298·3	—1·7	260	+143
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1005·7	1012·8	+ 0·5	299·8	309·2	23rd	294·9	292·2	15th	297·4	297·1	—1·3	144	+ 29
1139	Windhoek	22 35	E17 5	1680	..	..	..	302·8	305·9	14th	290·9	287·3	2nd	296·8	*296·8*	+1·7	3	— 71
1140																		
1141	Kimberley	28 42	24 47	1202	881·4	..	+ 0·3	305·6	309·2	7th, 11th	289·6	285·8	26th	297·6	297·5	+1·4	8	— 70
1142	Johannesburg	26 11	28 4	1806	824·0	..	+ 1·0	298·3	305·2	8th	286·6	281·4	4th	292·4	*291·9*	+0·8	85	— 45
1143	Pretoria (Brooklyn)	25 46	28 13	1400	862·5	..	+ 1·1	300·7	305·8	8th	287·7	283·4	4th	294·2	*293·7*	—0·2	91	..
1144	Bulawayo	20 9	28 35	1340	867·3	..	+ 0·5	298·4	302·6	..	288·5	283·0	..	293·4	*292·9*	—0·8	135	+ 33
1145	Durban	29 52	31 3	15·2	1014·2	1016·0	— 0·1	301·1	304·6	17th	293·8	290·7	2nd, 3rd	297·4	*296·9*	0·0	80	— 39
1146	Lorenzo Marques	25 58	32 36	59	..	1013·5	+ 0·7	302·9	308·2	18th	294·5	290·3	4th	298·7	298·3	—0·1	94	— 31
1147	Mauritius	20 6	57 33	55·2	1004·0	1010·4	— 0·6	303·5	305·9	4th	296·3	294·3	4th	299·9	299·5	+0·7	145	— 68
1159	Onslow	21 43	114 57	4·3	1007·9	1008·8	+ 2·2	306·7	315·6	28th	294·7	291·1	8th	300·7	..	—2·1	0	— 25
1160	Peak Hill	25 38	118 47	588	943·3	1006·5	0·0	309·8	313·4	28th	295·2	287·7	17th	302·5	..	—0·4	0	— 31
1161	Nullagine	21 53	120 5	386	966·7	1008·6	+ 2·2	310·5	313·6	28th	294·8	289·7	4th	302·7	..	—1·4	65	+ 10
1162	Laverton	28 40	122 23	466	960·3	1011·4	+ 0·5	308·6	314·3	28th	293·3	285·5	17th	301·0	*300·8*	+0·9	26	— 3
1163	Alice Springs	23 38	133 37	587	945·8	1010·2	+ 3·2	304·4	310·2	1st	292·3	288·0	19th, 22nd	298·3	*298·5*	—2·4	84	+ 40
1164	William Creek	28 55	136 21	76·2	1002·5	1011·0	+ 0·4	308·7	315·5	1st	295·2	288·6	19th	302·0	*301·7*	+0·9	11	0
1165	Boulia	22 55	139 38	146	992·1	1008·1	+ 1·8	310·4	315·8	1st	297·2	293·7	4th	303·8	*304·0*	+0·7	24	— 28
1166	Thargomindah	27 58	143 43	123	996·4	1010·0	+ 1·2	309·2	313·1	6th	296·7	291·5	19th	303·0	*302·7*	+0·6	26	— 16
1167	Mitchell	26 32	147 52	336	975·1	1012·0	..	305·1	309·1	2nd	292·7	289·7	13th	298·9	..	+0·4	183	+ 97
1168	Rockhampton	23 24	150 30	11·3	1011·9	1013·3	+ 3·2	306·0	310·1	8th	295·5	292·4	7th	300·8	..	+1·1	84	—112
1169	Brisbane	27 28	153 2	41·7	1010·7	1015·3	+ 2·7	303·6	306·9	20th	293·6	291·3	3rd	298·6	*297·8*	+1·0	23	—138
1170	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Norfolk Island	29 4 S.	167 59 E.	15·2	1015·5	1017·4	+ 4·6	297·6	299·9	6, 7, 13	293·4	289·1	1st	295·5	*295·1*	+0·1	104	— 33

FEBRUARY—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37 S.	78 50 W.	10	..	..	..	294·5	298·1	11th	289·4	286·9	10th	291·9	*292·2*	0·0	67	+ 37
1221a	Punta Tumbes	36 37	73 6	91	‡1003·1	‡1014·0	— 1·1	292·5	295·6	1st	286·0	284·0	22nd	289·3	*289·1*	+1·1	20	+ 11
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1009·0	1013·8	— 0·8	296·6	300·5	3rd	286·9	284·4	17th, 21st	291·7	*291·4*	+0·5	0	0
1223	Santiago	33 27	70 42	520	953·6	1012·9	+ 0·3	302·1	306·0	23rd	284·1	280·8	21st	293·1	*292·1*	+0·2	0	— 2
1224	Cordoba	31 25	64 12	423	963·5	1011·9	+ 1·4	301·9	308·0	..	287·3	280·9	..	294·6	293·8	—1·6	157	+ 47
1225	Bahia Blanca	38 45	62 15	25	..	1012·3	+ 1·3	301·2	309·0	2nd	288·8	284·5	23rd	295·0	294·6	—0·5	167	+111
1226	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1013·8	+ 1·0	301·1	306·3	16th	289·9	281·6	23rd	295·5	295·3	—0·6	95	+ 33
1226a	Montevideo (Prado)	34 52	56 12	24·9	1011·5	1014·4	+ 1·2	300·3	306·8	16th	289·3	282·9	8th	294·8	294·9	—0·1	16	— 56
1239	Porto Alegre	30 2	W51 13	23·5	1011·5	1014·2	+ 1·5	302·6	308·8	9th	292·3	287·8	25th	297·5	296·9	—0·8	82	— 2
1239a	Cape Town	33 56	E 18 29	12·2	..	1015·4	+ 1·7	300·2	312·7	5th	290·0	285·2	24th	295·1	*293·6*	+0·7	40	+ 27
1241	Danger Point	34 37	19 18	27·7	1012·5	1015·7	..	296·3	303·0	5th	289·5	283·6	8th	292·9	..	..	29	+ 7
1242	Riversdale	34 6	21 16	?61	1003·7	1010·9	..	300·7	318·6	5th	288·7	283·6	3rd	294·7	..	..	80	..
1259	East London	33 1	27 54	9·8	1013·8	1014·9	+ 0·9	298·9	301·9	11, 14, 17	290·9	286·9	7th	294·9	..	+0·7	156	+ 75
1260	Perth (Observatory)	31 57	115 51	60·0	1007·4	1014·5	+ 1·2	301·2	312·4	23rd	289·1	282·7	16th	295·1	*294·5*	—1·3	23	+ 11
1261	Katanning	33 42	117 35	310	979·3	1014·7	+ 0·6	303·1	313·1	27th	286·1	278·0	16th	294·6	..	+0·4	0	— 15
1262	Coolgardie	30 57	121 10	423	965·7	1012·8	+ 0·4	306·8	314·8	26th	290·0	283·4	17th	298·4	*298·2*	+1·0	7	— 12
1263	Eucla	31 45	128 58	4·6	1013·8	1014·4	+ 0·2	298·0	311·3	22nd	291·1	286·1	19th	294·6	*293·9*	—0·1	38	+ 22
1264	Streaky Bay	32 48	134 13	13·1	1013·3	1014·6	+ 0·3	304·2	315·8	7th	289·5	282·5	3rd	296·9	*296·1*	+1·4	32	+ 20
1265	Adelaide	34 56	138 35	42·7	1010·1	1015·0	+ 0·7	303·4	313·6	14th	291·3	285·7	20th	297·3	*296·8*	+0·9	73	+ 56
1266	Melbourne	37 49	144 58	35·1	1011·9	1015·9	+ 1·4	300·7	314·4	15th	288·8	283·7	1st	294·8	*294·4*	+2·1	93	+ 49
1267	Bourke	30 13	145 58	110	1003·9	1016·2	+ 2·1	310·2	316·9	16th	292·7	287·4	20th	301·4	..	+0·1	38	— 5
1268	Sydney	33 51	151 13	44·5	1011·7	1016·9	+ 2·9	300·3	309·3	18th	292·1	286·9	2nd	296·2	*295·9*	+1·4	134	+ 22
1271	Lord Howe Island	31 20	159 0	4·6	1016·4	1017·0	+ 2·7	299·0	301·2	7th	292·6	287·4	6th	295·8	..	+0·2	230	+103
1272	Auckland	36 50	174 50	38·1	..	1019·6	..	296·0	300·2	11th, 12th	289·6	287·4	28th	292·8	..	+0·3	21	— 55
	Napier	39 32 S.	176 53 E.	21·3	..	1019·0	+ 3·8	296·7	302·4	7th, 11th	287·7	281·3	27th	292·2	..	+0·5	74	+ 13

FEBRUARY—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52 S.	176 42 W.	104	..	..	..	..	..	..	..	..	..	..	..	..	4	— 63
1321	Isla Guafo	43 34	74 45	140	997·6	1014·4	— 2·2	288·1	292·1	2nd	284·3	282·8	6th, 8th	286·2	*286·4*	+0·5	66	+ 6
1322	Punta Galera	40 1	73 44	40	1010·6	1015·4	— 0·8	290·3	293·2	1st, 3rd	285·2	282·5	23rd	287·7	*288·1*	+1·2	63	— 13
1323	Sarmiento	45 30	69 0	274	..	1009·0	..	297·4	307·1	24th	284·4	279·0	22nd	290·9	290·3	+0·1	45	+ 34
1324	Puerto Madryn	42 49	W64 58	14	..	1011·2	..	299·5	311·2	5th	287·3	281·6	22nd	293·4	292·5	0·0	9	— 2
1365	Launceston	41 27	E147 10	10·1	1016·2	1017·4	+ 3·3	299·3	304·6	15th	286·7	279·8	26th	293·0	*291·7*	+1·7	27	— 1
1366	Hobart	42 53	147 20	53·9	1011·6	1018·1	+ 4·8	295·1	300·9	2nd	286·1	280·2	24th	290·6	*289·3*	+0·7	38	+ 1
1370	Invercargill	46 25	168 21	5·5	..	..	..	291·6	300·8	21st	281·8	275·2	25th	286·7	..	0·0	10	— 63
1371	Dunedin	45 52	170 31	91·4	..	1019·8	+ 7·3	291·9	301·9	17th, 20th	282·7	278·6	18th	287·3	..	+0·6	19	— 52
1371a	Christchurch	43 31	172 38	7·6	..	1019·0	+ 4·5	293·3	300·7	18th	284·7	276·9	26th	289·0	..	0·0	5	— 42
1372	Wellington	41 16	174 46	2·4	..	1020·6	+ 6·0	293·9	300·3	24th	286·8	280·2	26th	290·3	..	+0·4	51	— 32
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

FEBRUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1003·5	1010·2	+ 8·2	283·9	286·2	1st, 2nd	280·5	278·4	24th, 28th	282·2	*282·1*	+0·2	123	
1422	Puerto de Punta Arenas	53 10	70 54	4	1006·4	1006·9	+ 7·7	289·1	295·5	2nd, 4th	279·8	275·0	28th	284·5	*284·5*	+0·7	33	
1423	Punta Dungeness	52 24	68 26	5	..	..	..	286·8	297·0	1st	279·9	277·6	17th	283·3	*285·0*	+0·3	0	
1424	Santa Cruz	50 11	68 21	12	..	1007·9	+ 2·3	292·7	305·9	1st	282·1	276·2	17th	287·4	287·5	+0·1	11	
1424*a*	Año Nuevo	54 39	64 8	50	997·5	1003·6	+ 7·3	283·2	287·5	24th	278·9	277·0	17th, 28th	281·1	281·0	—0·9	46	
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	71	
1426	Cape Pembroke	51 41	57 42	21	..	1005·8	+ 4·5	284·9	291·9	24th	278·7	275·8	11th	281·8	282·2	—0·6	..	
1429	S.Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	

FEBRUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	991·5	992·4	+ 1·0	275·6	279·7	5th	271·9	269·5	8th	273·7	273·8	+0·4	44	
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—FEBRUARY 1919.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	10½h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SE	11·5	N	Calm 0 Calm 0	N 2 N 2	NW 8	NW 4	NNW 3 NNW 3	SE 4
2	ESE	9·0	N	Calm 0 Calm 0	NW 1 N 2	NE 4	Calm 0	N 3 NNW 1	SE 4
3	SE	4·9	NE	Calm 0 Calm 0	N 1 N 2	NE 4	NW 4	NW 3 WSW 2	SE 4
4	SSE	4·1	E	NE 1 SW 1	N 1 S 2	NE 4	NW 2	NW 3 NNW 2	SE 4
5	SSE	5·6	E	NE 2 SE 1	N 1 W 2	NE 4	NW 3	NW 3 NNW 2	S 4
6	SE	6·9	NE	E 2 SE 2	N 1 W 2	NE 4	NW 2	NW 2 NNW 2	SE 4
7	S	9·6	NE	Calm 0 Calm 0	N 1 W 2	NE 3	Calm 0	N 3 NNW 4	SE 4
8	S	7·7	NE	Calm 0 Calm 0	N 1 W 3	N 3	NW 2	NE 3 NNW 4	S 4
9	SSE	7·4	NE	NNE 1 SW 1	S 2 W 2	NE 3	Calm 0	NW 3 N 3	SE 4
10	SSE	7·6	NE	Calm 0 Calm 0	N 2 S 2	NE 2	Calm 0	N 4 N 2	SE 4
11	S	6·2	NE	Calm 0 Calm 0	N 1 S 2	NE 3	Calm 0	NE 2 NW 2	SE 4
12	SSE	7·5	NE	NE 1 SE 2	S 2 N 2	NE 3	SE 2	NNE 3 NE 2	N 4
13	SSE	5·0	NE	ENE 1 SSW 2	E 1 S 2	NW 3	Calm 0	ESE 3 E 2	S 4
14	SSE	4·2	NE	NNW 1 SW 2	N 1 S 2	NE 2	SE 2	E 2 ENE 1	SE 4
15	SSE	3·9	NE	WSW 1 SW 2	N 1 S 2	SE 4	Calm 0	E 4 NNW 6	SE 4
16	S	7·4	NE	NE 1 SE 1	E 2 N 2	SE 3	SE 2	NE 3 N 3	SE 4
17	SSE	5·9	NE	Calm 0 Calm 0	Calm 0 S 2	SE 3	S 4	Calm 0 E 3	E 4
18	SSE	4·9	NE	W 1 SW 1	E 2 W 2	SE 4	SE 4	E 1 E 2	E 4
19	SSE	4·8	NE	NE 1 SE 1	N 1 NE 2	SE 3	Calm 0	E 2 E 2	SE 4
20	SSE	4·6	NE	Calm 0 Calm 0	N 1 N 2	NE 4	Calm 0	WNW 2 W 4	SE 4
21	SE	..	NE	WSW 1 SW 1	N 1 N 2	NE 4	Calm 0	NW 3 NW 2	SE 4
22	SSE	..	NE	Calm 0 Calm 0	N 2 W 1	NE 4	Calm 0	N 3 NW 3	SE 4
23	SE	..	NE	WNW 1 NW 1	N 1 N 2	NE 4	SE 2	NE 2 NE 2	Calm
24	SE	..	NE	W 1 SW 1	N 1 W 2	NE 3	Calm 0	NE 2 NE 2	SE 4
25	SSE	..	NE	NW 1 SSW 1	W 1 W 1	NW 6	Calm 0	NE 3 E 2	Calm
26	SE	..	NE	Calm 0 Calm 0	NW 1 W 1	SE 3	SE 2	E 3 E 3	Calm
27	SE	..	NE	Calm 0 Calm 0	W 1 W 1	NE 3	SE 2	E 2 E 2	Calm
28	SE	..	NE	ENE 1 SE 1	S 2 SW 1	SE 4	Calm 0	WNW 2 N 2	Calm
						..	SE 2	NNE 2 N 2	
Mean	..	6·4	..	0·6 0·7	1·2 1·8	3·6	1·3	2·5 2·5	
§Resultant	155° (92)	..	45° (95)	185° (6)	330° (38)	55° (62)	145° (13)	20° (55)	130° (68)
§Normal	141° (90)	6·5	‖93° (79)	288° (21)	265° (30)	73° (82)	235° (19)	85° (35)	81° (11)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 632 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—FEBRUARY 1919.

‡‡ *Spitsbergen.*—Icefjord and Green Harbour were frozen up.

‡‡ *Iceland.*—The coasts were free of ice, the normal duration being 4 days with ice visible.

‡‡ *Denmark Strait.*—At Angmagsalik the ice was closely packed only leaving a land water at the mouth of the Angmagsalik Fjord.

‡‡ *Davis Strait.*—Ice lay some distance offshore at Cape Farewell. The first "Storis" was seen on the 3rd at Kagsimiut and reached Arsuk by the 28th.

‡‡ *Melville Bay* was covered with firm ice, and 30 to 50 miles offshore no open water was visible.

‡‡ *Smith Sound.*—On the 25th the ice off Cape Atholl was seen to be in motion.

‡‡ *Isforholdene i de Arktiske Have* 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MARCH 1919.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MARCH 1919 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **MARCH—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	240·7	233·0	20th	..	..	..	..	..
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
125	Upernivik	72 47	W56 7	18·9	1016·7	1019·2	+ 6·4	259·9	277·3	21st	249·5	237·2	3rd	254·7	*254·5*	+2·9	15	— 4
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1015·0	1016·6	+ 5·9	..	265·0	3rd	242·0	233·0	2nd	..	*247·8*	—5·4	3	— 21
140																		
141	Gjesvaer	71 6	25 22	6·5	1004·0	1004·8	0·0	..	275·6	27th	266·7	262·1	24th	..	*268·8*	—0·8	65	+ 18
142	Mehavn	71 1	27 47	6·4	1004·4	1005·2	— 1·8	..	275·5	4th	265·2	259·3	25th	..	*267·9*	—0·8	64	+ 10
143	Vardö	70 22	31 8	10·0	1003·9	1005·2	— 0·6	..	274·2	4th	266·2	261·1	26th	..	*268·5*	+0·2	81	+ 30
147																		
148	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
157	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Maudhavn	77 33 N.	105 40 E.	2·5	1019·6	1019·9	+ 8·9	..	253·4	31st	237·3	227·2	9th	..	*239·5*	..	..	..

Between Latitude 70° N. and 60° N. **MARCH—ZONE 2.**

202	Gambel	63·51	171 35	6·1	..	..	..	263·8	273·6	8th	256·6	249·7	4th	260·2	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1012·2	+ 0·8	267·2	276·3	20th	260·8	246·3	3rd	264·0	*263·9*	+ 4·4	4	— 19
204	Candle	65 55	161 57	2·4	..	..	..	260·9	271·9	19th	250·8	?238·6	3rd	255·9	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1015·9	— 1·2	263·2	274·1	21st	252·4	238·6	11th	257·8	*257·3*	+ 1·5	3	— 10
206	Rampart	65 30	150 15	122	..	..	..	..	..	..	..	..	..	..	..	..	3	— 8
207																		
208	Valdez	61 7	146 16	8·2	..	1012·2	+ 2·1	272·5	279·1	21st	262·1	251·3	17th	267·3	*266·7*	— 2·0	20	— 60
209	Eagle	64 46	141 12	254	..	1017·9	+ 3·5	264·4	275·8	21st	248·8	233·0	15th	256·6	..	— 1·1	1	— 9
210	Dawson	64 4	139 20	328	977·1	1021·0	+ 3·4	259·7	273·6	31st	244·1	233·6	13th	251·9	..	— 5·1	3	— 11
211	Carcross	60 11	134 34	662	..	..	..	265·2	278·0	31st	249·4	230·8	1st	257·3	..	— 6·5	6	— 9
212	Fort Good Hope	66 25	128 53	65·2	1017·5	1026·8	..	251·9	268·6	31st	238·6	224·7	13th	245·2	..	..	7	— 12
	Fort Simpson	61 52	121 35	129	1005·4	1023·2	..	258·6	274·7	31st	243·6	230·8	12th	251·1	..	— 2·3	2	— 12
213																		
	Hay River	60 51	115 20	161	1000·9	1023·1	..	256·3	278·6	30th	242·4	226·3	10th	249·4	..	— 6·4	4	..
235																		
236	Jacobehavn	69 13	51 2	12·6	1014·8	1016·4	+ 4·6	264·8	277·3	21st	253·4	235·0	3rd	259·1	*259·8*	+ 3·0	24	+ 12
237	Godthaab	64 11	51 43	9·0	1010·8	1012·0	+ 6·2	272·0	281·2	27th	264·7	259·4	8th	268·3	*267·8*	+ 2·7	..	..
239	Ivigtut	61 12	48 10	5·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Angmagsalik	65 37	37 33	31·7	1011·0	1015·1	+ 7·5	269·5	282·8	31st	259·4	241·0	4th	264·5	*264·5*	— 0·7	38	— 14
231																		
232	Stykkisholm	65 5	22 46	11·3	1014·6	1016·1	+ 9·0	271·6	278·5	14th, 15th	264·7	253·5	3rd	268·1	*268·4*	— 2·3	7	— 40
233	Vestmanno	63 26	20 15	7·7	1010·0	1011·0	+ 5·4	274·4	280·1	18th	268·8	255·9	3rd	271·6	*271·7*	— 2·8	147	+ 38
234	Grimsey	66 33	17 58	22	1013·5	1016·3	+ 7·3	269·8	276·3	16th	264·7	253·8	4th	267·3	*267·4*	— 2·3	..	..
235	Berufjord	64 40	14 19	18·0	1011·4	1013·7	+ 6·5	271·4	280·1	16th	264·5	253·8	4th	267·9	*268·6*	— 3·1	65	— 13
236	Thorshavn	62 3	6 45	26·3	1005·5	1008·8	+ 2·5	275·0	279·8	16th	270·0	261·0	4th	272·5	*272·4*	— 3·4	62	— 66
	Lerwick	60 9	W 1 8	**18·0	1004·6	1006·9	— 0·1	277·7	280·2	12th, 17th	273·0	270·2	8th	275·3	*275·4*	—1·4	87	+ 7
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1001·0	1006·5	— 4·2	276·9	279·8	31st	272·3	267·6	24th	274·6	*274·6*	— 0·5	115	— 6
239	Christiansund	63 7	7 45	17·8	1004·0	1006·2	— 2·4	..	280·0	2nd	270·9	266·5	25th	..	*274·0*	— 0·9	149	+ 69
240	Trondhjem	63 26	10 25	39·5	1002·0	1007·0	— 2·2	275·1	278·5	2nd	267·5	255·2	24th	271·3	*271·6*	— 0·5	41	— 35
241	Bodö	67 17	14 24	22·4	1002·8	1005·6	— 1·4	..	276·8	3rd	267·5	259·0	24th	..	*271·0*	— 0·4	31	— 29
242	Haparanda	65 50	24 9	9·2	1006·0	1007·2	— 2·2	268·9	273·5	4th, 29th	260·7	246·5	25th	264·8	*265·2*	+ 0·7	9	— 17
242*a*	Helsingfors	60 10	24 57	11·7	1008·6	1010·2	— 2·4	271·1	276·0	12th	264·2	252·6	21st	267·6	*267·9*	— 1·2	60	+ 25
	Kuopio	62 54	27 40	90·3	997·2	1008·8	— 3·2	269·2	273·0	30th	258·6	243·3	21st	263·9	*265·1*	— 2·2	30	— 4
243																		
244	Kola	68 53	33 1	6·7	1005·6	1006·5	— 3·0	268·0	274·9	4th	257·8	238·8	24th	262·9	*263·4*	— 1·7	31	+ 20
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 35	40 36	6·2	1006·3	1007·1	— 5·2	266·0	272·0	4th	256·6	242·3	18th	261·3	*261·7*	— 3·5	24	+ 4
247	Mezen	65 50	44 16	12·6	1004·6	1006·2	— 4·5	264·4	271·6	9th	255·3	236·0	18th	259·9	*260·1*	— 3·7	19	+ 13
248	Oust-Tsylma	65 25	52 14	? 70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Tcherdyn	60 24	56 31	?177	987·0	1010·0	— 6·8	266·7	274·3	26th	258·5	238·5	2nd	262·6	*262·4*	— 2·6	39	+ 18
249																		
250	Berezov	63 56	65 4	39·9	1007·0	1012·3	— 3·1	263·3	272·0	7th, 25th	254·0	241·2	21st	258·6	*258·8*	— 1·8	23	+ 9
251	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	61 15	73 24	? 40	1007·2	1012·5	— 6·5	..	271·3	10th	251·6	224·3	1st	..	*258·4*	— 1·7	9	— 3
253																		
254	Doudinka	69 23	86 4	20	1009·6	1012·3	— 1·0	..	265·7	26th	244·4	228·9	3rd	..	*248·6*	..	4	..
262	Touroukhansk	65 47	87 57	45	1010·4	1016·5	+ 0·2	..	272·2	29th	249·6	228·5	3rd, 4th	..	*254·9*	— 2·1	22	+ 11
263																		
	Iakoutsk	62 1	129 43	108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Verkhoïansk	67 33	133 23	100	1001·9	1016·3	— 0·9	..	267·0	31st	231·2	221·2	10th	..	*240·0*	— 1·5	8	+ 6
272																		
	Markovo-sur-Anadyr	64 45	170 50	25·9	1010·0	1013·5	— 4·6	258·5	268·4	24th	248·1	233·8	21st	253·3	‡*254·2*	+ 4·5	19	+ 12
	Novo-Mariinskii Post	64 45 N.	177 33 E.	22·7	1010·2	1013·2	— 3·1	257·3	273·4	24th	251·3	237·9	4th	254·3	‡*256·1*	+ 2·1	10	+ 4
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106. ** Height changed from 14·7 m. to 18·0 m. from March 1st.

MARCH—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1001·7	—5·6	273·3	277·4	4, 11, 25	268·5	259·7	2nd, 3rd	270·9	..	..	40	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1003·7	—3·1	276·7	280·2	13th	272·8	268·6	29th	274·7	..	+1·4	..	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	271·6	274·7	18, 19, 31	265·3	256·3	14th	268·4	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	1007·8	+0·4	276·0	278·0	sev. dates	271·2	266·3	15th	273·6	..	..	73	..
309	Sitka	57 3	135 19	27·4	..	1010·5	—1·5	277·6	285·2	30th	270·3	259·1	17th	273·9	*273·9*	—2·0	105	— 13
310	Prince Rupert	54 18	130 18	51·8	1003·0	1009·5	—2·9	277·4	285·2	29th	272·4	263·0	1st	274·9	*274·7*	—1·4	212	+ 93
311	Barkerville	53 2	121 35	1274	864·7	1014·3	—1·1	272·4	283·6	30th	261·9	243·6	1st	267·2	*267·1*	—2·4	90	+ 2
312	Kamloops	50 42	120 29	385	972·4	1019·8	+1·1	279·7	293·0	29th	268·6	254·1	1st	274·1	*274·3*	—2·0	28	— 31
313	Calgary	51 2	114 2	1045	892·2	1017·9	+1·1	271·3	287·4	31st	260·2	236·9	1st	265·8	*264·7*	—3·4	14	— 17
314	Fort Chipewyan	58 42	111 10	218	993·2	1022·5	..	259·7	280·2	22nd	246·3	230·8	10th	253·0	*253·8*	—5·1	10	— 17
315	Prince Albert	53 10	105 38	442	964·4	1021·2	+4·4	267·4	278·6	22nd, 31st	254·1	240·8	3rd, 20th	260·8	*260·7*	—1·1	21	— 15
316	Qu'Appelle	50 30	103 47	645	939·2	1020·7	+3·8	267·4	278·0	22nd	256·3	239·7	2nd	261·9	*261·4*	—2·2	34	— 1
317	Minnedosa	50 15	99 50	515	956·3	1022·1	+3·4	267·4	277·4	18th	255·2	237·4	2nd	261·3	*260·9*	—2·3	28	— 2
318	Berens River	52 18	97 23	216	..	..	..	263·0	276·9	24th	251·6	235·2	1st	257·3	..	—4·0	8	— 17
318*a*	Port Nelson	57 4	92 36	14·9	1018·3	1020·3	+3·6	260·2	275·2	24th	245·8	235·8	1st	253·0	..	—0·6	7	— 15
319	Fort Hope	51 33	87 49	‡260	989·0	1022·0	..	269·1	279·7	19th, 20th	254·7	?235·8	13th	261·9	*262·1*	+2·4	21	— 7
320	Moose Factory	51 14	80 30	9·1	1020·4	1021·6	+3·3	272·4	289·1	19th	257·4	239·7	5th	264·9	..	+3·6	25	— 3
321	Fort George	53 50	79 5	97·5	..	..	..	264·5	280·2	16th	251·2	233·0	4th	257·8	*257·8*	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	268·8	278·0	26th	253·9	234·1	6th	261·3	..	+2·1	67	— 14
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	271·1	279·1	21st	261·7	245·2	7th	266·4	..	+2·7	115	+ 49
326	Belle Isle	51 53	55 23	133	997·9	1015·1	+5·0	269·7	275·2	30th, 31st	260·9	248·6	7th	265·3	*266·1*	—0·1	114	+ 46
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1010·3	1012·0	—0·8	281·1	283·6	10th	275·6	271·9	26th	278·4	278·5	—1·8	109	— 4
335	Aberdeen	57 10	W 2 6	26·8	1004·9	1008·2	—1·3	277·9	282·4	2nd	272·8	269·7	28th	275·3	275·2	—2·2	40	— 37
336	Greenwich	51 28	0 0	46·3	1004·3	1010·1	—2·9	281·2	286·3	2nd	274·3	269·1	23rd	277·8	277·5	—1·1	70	— 11
337	Uccle	50 48	E 4 22	100	997·4	1009·8	—4·8	281·6	287·9	11th	274·7	270·0	25th	278·1	277·6	—0·2	75	+ 6
338	De Bilt	52 6	5 11	3·0	1009·2	1009·6	—3·9	280·4	288·0	13th	274·0	267·4	25th	277·2	277·1	+0·1	60	— 7
338*a*	Hamburg	53 33	9 58	26·0	1006·8	1010·0	—2·5	279·2	289·5	12th	273·9	267·4	25th	276·5	*276·1*	—0·1	78	+ 11
339	Copenhagen	55 41	12 36	5·0	1009·8	1010·4	—1·9	275·6	284·6	12th	271·9	266·0	25th	273·7	*273·9*	—0·8	24	— 43
340	Potsdam	52 23	13 4	84·9	1000·4	1011·0	—2·3	280·4	294·0	12th	272·6	266·8	25th	276·5	276·0	—0·7	48	— 19
340*a*	Upsala	59 51	17 38	24	1006·2	1009·2	—2·3	273·8	278·5	11th	266·3	256·9	24th	270·0	270·2	—0·4	23	— 15
341	Warsaw	52 13	21 1	133	996·2	1012·7	—1·4	278·6	290·6	12th	271·2	262·5	20th	274·9	274·9	+0·8	21	— 17
342	Dorpat (Jurjev)	58 23	26 43	74·5	1002·7	1012·3	—0·8	271·8	277·5	12th	264·1	253·6	21st	267·9	267·6	—2·2	33	— 15
343	Petrograd	59 56	30 16	4·8	1010·6	1011·2	—1·6	269·6	275·7	12th	261·2	249·1	19th	265·4	*265·6*	—2·7	13	— 8
344	Kiev	50 27	30 30	183	992·7	1015·7	—0·3	276·1	287·6	12th	269·3	260·6	21st	272·7	*272·5*	+0·5	85	+ 49
344*a*	Moscow	55 50	37 33	167	993·8	1015·4	—1·7	270·3	278·6	12th	258·9	244·9	3rd	264·6	*264·6*	—3·5	20	— 11
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1005·8	1016·3	—2·1	268·1	277·4	13th	258·8	245·4	21st	263·4	*263·4*	—2·7	31	— 11
347	Orenburg	51 45	55 6	109	1006·0	1020 5	—1·0	266·1	275·2	14th	256·0	238·0	1st	261·0	*261·5*	—3·1	21	— 11
348	Perm	58 1	56 16	159	992·6	1013·3	—5·1	..	275·5	26th	259·1	239·5	1st	..	*262·9*	—3·0	35	— 7
349	Ekaterinburg	56 50	60 38	281	978·0	1014·2	—6·8	267·2	276·0	8th	258·4	242·6	1st	262·8	*262·8*	—2·6	15	— 8
350	Tobolsk	58 12	68 14	?108	1000·8	1015·1	—5·7	266·3	273·0	9th	256·1	241·0	2nd	261·2	*260·9*	—3·0	..	..
351	Akmolinsk	51 12	71 23	?347	978·7	1023·9	—1·9	266·2	274·5	17th	254·0	239·6	2nd	260·1	*260·1*	—2·3	28	— 4
352	Omsk	54 58	73 23	87·9	1008·6	1020·4	—4·2	..	272·7	14th	252·8	237·8	3rd	..	*258·5*	—3·2	10	— 14
353	Barnaoul	53 20	83 48	162	1004·8	1026·3	—1·9	267·6	277·7	28th	253·9	234·0	4th	260·8	*260·9*	—1·7	..	..
354	Tomsk	56 30	84 58	122	1006·4	1022·6	—2·1	..	278·1	29th	255·4	241·3	4th	..	*261·3*	—1·4	..	..
355	Minousinsk	53 43	91 41	249	993·6	1026·0	—2·0	..	274·2	31st	257·6	238·9	6th	..	*263·5*	..	4	— 7
356	Eniseisk	58 27	92 10	77·6	1011·9	1022·3	—1·4	..	277·2	29th	253·6	231·2	4th	..	*260·9*	—2·1	12	— 3
357	Irkutsk	52 16	104 19	467	965·6	1025·4	—1·7	..	276·4	30th	254·8	240·0	7th	..	*262·4*	—1·4	8	— 11
358	Kirensk	57 47	108 7	263	988·6	1023·0	—1·6	264·6	276·0	30th, 31st	252·1	228·1	7th	258·4	*261·0*	+0·8	7	— 11
359	Tchita	52 2	113 30	687	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	941·2	1021·0	—2·1	..	269·6	17th	258·8	242·1	9th	..	*258·8*	—1·2	6	— 11
361	Tygan Ourkan	54 5	124 46	379	968·3	1017·7	..	265·2	274·5	31st	249·3	234·6	1st	257·2	*257·5*	..	4	— 11
362	Blagoveshchensk (Bureau Météor)	50 16	127 30	142	997·1	1015·7	—2·2	268·4	276·8	31st	255·8	248·0	1st	262·1	*262·2*	—1·3	6	— 11
363	Paikanskii Sklad	50 11	130 7	145	995·1	1014·4	..	267·2	273·5	17th	247·0	236·9	1st, 2nd	257·1	*257·5*	..	7	— 11
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1008·2	1011·0	—3·0	..	273·0	24th	249·4	236·1	10th	..	*257·1*	—2·9	8	— 11
366	Okhotsk	59 21	143 12	6·0	1008·3	1009·1	—6·8	260·7	270·2	13th	251·2	242·3	10th	256·0	*256·4*	—2·0	0	— 11
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	999·8	1001·5	—5·3	270·0	276·9	21st	261·6	248·5	18th	265·8	*265·5*	..	249	..
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

MARCH—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1006·8	1015·5	— 0·3	283·0	290·2	29th	276·3	273·0	1st	279·7	279·2	+0·8	59	— 6
412	Portland, Oregon	45 32	122 41	46·6	1011·7	1017·3	+ 0·4	286·1	295·8	29th	277·9	273·6	25th	282·0	*281·6*	+0·7	118	— 5
413	Macleod	49 44	113 24	953	..	..	..	272·1	289·7	31st	261·4	242·4	1st	266·7	*266·7*	—2·9	5	— 13
414	Helena	46 34	112 4	1253	871·1	1016·6	— 0·3	278·1	292·4	30th	266·2	246·9	1st	272·1	*272·0*	—0·6	18	— 1
414*a*	Salt Lake City	40 46	111 54	1329	866·1	1015·2	+ 0·1	283·4	293·0	30th	274·3	267·4	10th	278·9	*278·9*	+0·7	14	— 39
415	Cheyenne	41 8	104 48	1856	810·0	1015·9	+ 0·9	279·7	291·3	18th	268·2	259·1	7th	273·9	*274·0*	+0·4	39	+ 15
416	North Platte	41 8	100 45	859	918·3	1020·0	+ 3·4	282·1	297·4	29th	269·4	257·4	2nd	275·8	*275·8*	+1·0	11	— 11
417	Bismarck	46 47	100 38	511	958·9	1022·3	+ 3·6	271·0	283·0	31st	260·7	241·3	5th	265·8	*266·4*	—1·2	30	+ 4
418	Winnipeg	49 53	97 7	232	991·9	1021·9	+ 3·1	269·1	277·4	18th	258·6	239·7	5th	263·8	*263·6*	+0·6	44	+ 16
419	Duluth	46 47	92 6	345	979·2	1022·3	+ 4·6	272·6	285·8	19th	264·4	247·4	2nd	268·5	*268·2*	—0·1	29	— 12
420	Fort Arthur	48 27	89 12	196	997·7	1022·9	+ 5·6	273·6	280·8	19th	261·9	246·9	5th	267·7	*267·6*	+2·1	34	+ 11
421	Chicago	41 53	87 37	251	991·6	1022·7	+ 5·5	280·2	293·0	20th	273·1	259·7	1st	276·6	*277·0*	+1·8	110	+ 48
422	Toronto	43 40	79 24	116	1007·8	1022·6	+ 5·6	278·6	286·3	26th	269·7	259·1	6th	274·1	273·3	+2·8	81	+ 14
423	New York (Central Park)	40 46	73 58	30·2	1015·3	1019·0	+ 2·7	283·6	292·4	21st	274·9	268·6	28th	279·2	278·9	+2·8	151	+ 55
424	St. John, N.B.	45 17	66 4	36·2	1013·4	1018·0	+ 4·0	277·4	285·2	26th	269·7	257·4	14th	273·6	273·2	+2·6	82	— 33
424*a*	S.W. Point, Anticosti	49 24	63 33	9·1	1017·5	1018·7	+ 7·3	271·9	279·1	29th	265·8	256·3	1, 7, 13	268·8	*268·9*	+1·2	91	+ 44
424*b*	Sable Island (Main Station)	43 57	60 6	7·6	1019·0	1020·0	+ 5·8	275·2	283·6	11th	269·7	260·8	14th	272·4	*272·7*	—0·8	49	— 72
425	Fort aux Basques	47 35	59 10	9·1	1016·1	1017·3	+ 7·1	273·6	281·3	20th	268·0	259·7	14th, 17th	270·8	*270·8*	+1·9	98	— 20
426	St. John's, Newfoundland	47 34	52 42	38·1	1011·5	1016·3	+ 6·7	274·7	280·2	6th	268·0	258·6	16th	271·3	*271·1*	+0·3	148	+ 24
435	Madrid	40 24	3 41	655	939·9	1016·9	+ 0·5	288·6	293·0	12th	275·8	269·8	18th	282·2	281·4	+0·1	42	+ 2
436	Nantes	47 15	W 1 34	30·5	1007·3	1011·8	— 3·6	283·5	288·2	11th	277·1	272·8	27th	280·3	280·1	—0·2	157	+ 99
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1005·5	1011·7	— 3·4	283·1	289·5	5th, 11th	275·9	270·8	31st	279·5	279·2	+0·3	66	+ 28
438	Marseilles	43 18	5 23	75	..	1011·5	— 1·3	287·6	291·8	10th	278·6	273·3	1st	283·1	*282·7*	+0·5	28	— 9
438*a*	Zurich	47 23	8 33	493	954·1	1013·4	— 2·1	282·3	291·1	12th	274·1	266·8	31st	278·2	277·4	+0·5	145	+ 72
439	Rome	41 54	12 27	45	1006·4	1011·8	— 1·3	288·2	294·1	25th	280·3	275·7	1st	284·2	*284·0*	+0·7	71	+ 2
440	Vienna	48 15	16 22	203	986·7	1011·5	— 3·1	281·4	290·2	11th	274·8	271·5	20th	278·1	277·8	+1·1	67	+ 21
440*a*	Buda-Pesth	47 31	19 2	130	996·0	1011·9	— 3·2	284·2	291·2	27th	275·9	269·7	20th	280·0	*279·4*	+1·5	62	+ 16
441	Sofia	42 42	23 20	550	949·0	1014·6	— 0·4	284·8	294·6	27th	275·2	267·9	4th	280·0	*279·7*	+1·6	106	+ 65
442	Bucharest	44 25	26 5	82	1004·5	1014·6	— 0·6	285·3	293·8	28th	275·0	267·6	21st	280·1	279·6	+1·7	29	— 12
443	Odessa (University)	46 26	30 46	42·8	1009·9	1015·2	— 0·7	279·3	293·1	31st	272·8	265·7	21st	276·0	*275·6*	+0·6	25	— 2
444	Kharkov (University)	50 0	36 14	140	1000·2	1018·1	+ 0·4	273·9	284·6	13th	265·9	255·2	21st	269·9	*269·7*	—1·9	53	+ 18
444*a*	Novorossiisk	44 44	37 49	37·1	1010·8	1015·4	— 0·9	282·5	290·1	14th	274·2	264·6	6th	278·4	*278·2*	—0·8	27	— 31
445	Tiflis	41 43	44 48	404	969·9	1018·6	+ 0·1	284·6	299·4	30th	275·9	269·7	3rd	280·2	*279·9*	+0·2	54	+ 25
446	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	56	1016·3	1023·6	+ 1·2	271·3	284·0	31st	267·6	245·2	2nd	269·4	*268·3*	—0·8	2	..
450	Tachkent	41 20	69 18	478	963·2	1020·8	+ 1·1	285·6	296·6	18th	274·3	250·4	4th	280·0	*279·3*	—1·4	90	+ 23
451	Narynskoe	41 26	76 2	?2015	796·3	..	..	..	277·4	21st	259·5	250·1	16th	..	*264·9*	—3·8	16	..
452	Vernyi	43 16	76 53	841	..	..	..	278·8	292·5	30th	269·0	254·2	6th	273·9	*273·9*	..	62	..
462	Mukden	41 48	123 23	43·8	1013·3	1018·8	— 2·2	279·3	288·5	23rd	267·9	259·6	15th	273·6	273·3	+1·8	27	+ 8
463	Joshin	40 40	129 11	4·0	1015·5	1016·0	— 1·8	279·2	289·5	17th	270·5	261·9	10th	274·9	274·5	+0·9	17	— 7
464	Fuki	42 20	130 24	65·6	1007·6	1016·0	..	277·4	286·5	17th	268·3	263·0	10th	272·9	272·7	..	3	..
465	Vladivostok	43 7	131 55	128	999·6	1015·9	— 2·4	274·5	281·5	17th	267·2	257·8	2nd	270·8	270·5	+0·3	9	— 7
466	Ochiai	47 20	142 46	6·6	1008·0	1008·9	— 4·2	270·3	275·2	24th	256·8	244·6	16th	263·5	264·6	—0·7	23	— 14
466*a*	Nemuro	43 20	145 35	26·7	1006·6	1011·0	— 2·5	273·9	280·0	24th	266·8	258·7	11th	270·4	270·6	0·0	18	— 39
466*b*	Syana	45 14	147 53	39·3	1003·4	1008·4	— 4·2	271·8	281·1	25th	262·7	251·0	11th	267·3	267·7	—1·1	39	— 29
		N.	E.															

Between Latitude 40° N. and 30° N.

MARCH—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
341	San Francisco	37 48	122 26	47·2	1013·3	1018·9	+ 1·4	288·0	292·4	20th	280·9	277·4	14th	284·4	*283·9*	—0·6	70	— 12
342	San Luis Obispo	35 18	120 39	61·3	1011·8	1019·3	+ 1·3	289·2	298·6	31st	279·2	273·6	15th	284·2	*283·7*	—1·2	85	— 6
343	San Diego	32 43	117 10	26·5	1014·5	1017·6	+ 0·8	289·6	294·7	8th	281·9	277·4	15th	285·8	*285·6*	—0·8	46	+ 7
344	Modena	37 48	113 54	1670	831·4	1014·5	+ 0·2	282·3	290·8	30th	269·0	260·8	15th	275·7	*275·6*	—1·1	22	— 7
345	Santa Fé	35 41	105 57	2138	784·9	1014·9	+ 2·0	281·3	289·7	19th	270·9	264·1	6th	276·1	*275·9*	—1·2	43	+ 24
346	Denver	39 45	105 0	1613	834·9	1014·9	+ 0·4	283·8	295·2	18th	272·0	264·7	10th	277·9	*277·9*	+1·1	17	— 8
347	Abilene	32 23	99 40	530	955·6	1017·3	+ 2·0	291·1	300·2	14th	279·4	269·1	5th	285·2	*284·8*	—0·9	69	+ 40
348	Saint Louis	38 38	90 12	173	1000·1	1021·0	+ 3·7	286·5	295·8	29th	276·3	264·1	1st	281·4	*281·0*	+1·6	44	— 40
349	Mobile	30 41	88 2	17·4	1017·4	1019·3	+ 1·3	294·4	299·7	22nd	284·4	279·7	1st	289·4	*289·3*	+1·2	129	— 38
349*a*	Nashville	36 10	86 47	166	1002·0	1022·3	+ 4·3	288·8	297·4	25th	277·7	267·4	1st	283·2	*283·0*	+0·5	220	+ 92
349*b*	Charleston	32 47	79 56	14·6	1018·3	1020·0	+ 1·7	292·3	297·4	31st	284·3	279·1	28th	288·3	*288·6*	+1·6	103	+ 17
349*c*	Washington	38 54	77 3	34·1	1016·4	1020·6	+ 3·0	286·4	297·4	17th	275·7	271·3	31st	281·0	*280·8*	+2·1	102	+ 4
350	Bermuda	32 17	64 46	46·0	1012·4	1017·9	0·0	292·4	295·2	8th	286·9	283·6	4th	289·7	*289·4*	—0·9	55	— 65
351	Santa Cruz (Flores)	39 27	31 9	28	1019·6	1022·7	+ 0·5	289·1	293·0	29th	285·1	280·7	11th	287·1	*287·1*	+0·1	135	— 19
352	Horta	38 32	28 38	65	1015·8	1023·1	+ 1·2	289·6	292·1	19th	285·6	282·1	23rd	287·6	287·3	—0·1	123	+ 38
352*a*	Ponta Delgada	37 44	25 40	22	1021·6	1023·5	+ 2·3	288·9	290·8	14th	285·0	282·0	23rd	286·9	287·0	—0·1	..	..
353	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	69	— 23
354	Madeira (Funchal)	32 37	16 54	25	1020·8	1023·8	+ 5·3	291·4	297·7	18th	286·2	283·0	26th	288·8	*288·9*	+0·1	20	— 60
395	Lisbon	38 43	9 9	95	1007·9	1019·5	+ 3·1	288·3	291·1	18th	283·1	280·8	22nd	285·7	*285·5*	0·0	39	— 49
396	Gibraltar	36 6	5 21	16·2	1017·1	1019·0	+ 1·9	290·3	293·6	16th	282·8	279·7	19th	286·6	*286·7*	—0·6	68	— 53
396*a*	Melilla	35 18	2 59	8	‡1016·6	‡1017·6	— 0·3	292·1	295·6	3rd	283·0	279·2	18th	287·6	*287·8*	—1·6	53	— 19
		N.	W.															

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

MARCH—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1011·1	1013·9	— 1·3	288·8	292·2	2nd	280·4	277·8	10th, 19th	284·6	..	—1·3	19	..
538	Algiers (Bouzaréah)	36 48	3 2	343	975·4	1015·9	— 0·1	288·5	295·2	4th	282·1	275·4	18th	285·3	285·0	+0·6	51	..
539	Tunis	36 48	10 10	21	1012·7	1015·2	..	291·1	301·0	25th	280·6	276·0	19th	285·8	*284·5*	—0·4	42	..
539*a*	Malta	35 54	14 31	56·4	..	1011·8	— 3·1	290·9	297·0	9th	284·5	279·7	20th	287·7	*286·9*	+0·8	40	..
540	Riposto	37 41	15 14	14·2	..	1014·7	— 1·6	288·9	292·0	21st	283·7	282·2	16th	286·3	*285·5*	—0·4	13	..
541	Athens	37 58	23 43	107	1001·7	1014·6	+ 0·7	289·8	294·1	9th	282·5	276·1	4th	286·1	286·2	+1·9	34	..
542	Alexandria	31 12	29 53	32·0	1013·6	1017·4	+ 1·7	297·4	310·9	29th	286·2	282·5	5th	291·8	*290·6*	+1·6	1	..
543	Cairo (Helwan)	29 52	31 20	116	1003·4	1017·1	+ 1·9	301·0	310·8	29th	286·0	279·5	5th	293·5	292·9	+3·0	0	..
544	Nicosia (P.W.D.)	35 9	33 22	159	..	1015·9	+ 1·6	294·2	304·1	30th	280·9	274·7	5th	287·6	..	+2·4	4	..
544*a*	Beirut	33 54	35 28	33·7	..	1017·0	+ 2·8	293·6	306·3	16th	286·8	281·6	6th	290·2	*290·0*	+1·8	56	..
545	Baghdad	33 21	44 28	38·1	..	1017·2	+ 2·6	296·6	307·3	31st	284·5	276·1	7th	290·5	*287·1*	+1·3	3	..
546	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546*a*	Lenkoran	38 46	48 52	—20	1020·8	1018·4	— 0·5	..	..	..	..	..	..	..	..	..	80	..
547	Teheran	35 41	51 25	1220	..	..	..	277·4	271·0	2nd	..	..	..	..	*280·3*	—0·1	3	..
548	Meshed	36 16	59 35	946	..	..	..	290·7	298·8	31st	278·7	272·4	8th	284·7	*284·9*	+2·5	..	..
549	Seistan	31 0	61 30	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
550	Quetta	30 11	67 3	1677	834·2	..	+ 0·5	297·6	304·4	7th	280·6	276·2	13th	289·1	..	..	0	..
551	Peshawar	34 2	71 37	339	976·8	1016·8	+ 1·1	291·9	295·6	7th	275·8	270·9	14th	283·9	*284·1*	+0·1	15	..
551*a*	Lahore	31 34	74 20	214	989·0	1014·0	+ 1·3	296·8	302·1	29th	283·4	280·8	24th, 25th	290·1	*289·7*	—0·3	38	..
552	Simla	31 7	77 8	2205	782·7	..	+ 2·0	301·2	304·6	9th	286·6	283·1	25th	293·9	*293·6*	+0·1	13	..
552*a*	Leh	34 10	77 42	3503	666·3	..	+ 1·4	285·6	290·1	12th	279·1	273·7	24th	282·4	*282·6*	—0·5	62	..
					..	..	..	..	..	..	267·2	262·2	3rd	..	†270·8	..	2	..
559	Hankow	30 35	114 17	37·0	1014·9	1019·4	— 2·2	288·8	296·7	23rd	282·0	273·9	10th	285·4	*285·3*	+2·0	151	..
560	Tientsin	39 10	117 10	5·0	1019·1	1019·7	— 2·2	286·1	297·9	20th	274·2	269·1	10th	280·1	*279·8*	+2·1	9	..
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1019·3	— 1·9	287·9	296·1	21st	279·0	273·5	13th	283·5	282·4	+1·6	120	..
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1010·6	1019·1	— 1·4	282·4	292·7	22nd	273·9	268·6	10th	278·1	277·3	+1·5	133	..
562*a*	Nagasaki	32 44	129 52	133	1001·3	1017·5	— 1·4	287·7	292·8	18th	279·6	274·7	3rd	283·6	283·4	+1·2	135	..
563	Kioto	35 1	135 44	42·9	1012·1	1017·4	— 0·3	287·5	295·7	23rd	274·5	269·7	4th	281·0	280·5	+1·4	140	..
564	Tokio	35 41	139 45	21·3	1011·6	1014·2	— 2·2	286·7	295·2	19th	276·6	271·5	4th	281·6	281·3	+1·4	93	..
565	Kanayama	37 53	140 46	24·6	1011·2	1014·2	— 1·9	284·3	293·7	25th	272·8	268·2	17th	278·5	278·4	+1·6	40	..
566	Miyako	39 38	141 59	30·4	1009·1	1012·8	— 3·0	284·7	295·4	25th	271·6	266·7	11th	278·1	277·2	+1·8	38	..

MARCH—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1018·9	+ 0·2	295·3	299·1	30th	288·9	284·7	27th	292·1	..	..	138	..
605	Honolulu	21 19	157 52	11·6	1017·0	1018·3	+ 1·0	297·7	299·7	..	292·5	289·7	..	295·1	*294·9*	+0·3	31	..
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	858·2	1013·9	..	295·5	299·5	3rd	278·9	273·7	3rd	287·2	*286·9*	..	1	..
616	Leon	21 7	101 41	1809	821·2	1010·4	+ 0·6	298·6	302·4	14th	282·8	276·4	26th	290·7	*290·4*	—1·1	21	..
616*a*	Monterry	25 40	100 18	528	954·7	1014·6	..	297·4	307·2	4th	285·8	281·0	1st	291·6	*291·5*	..	15	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	299·0	..	..	275·0	..	..	287·3	—0·8	26	..
618	Galveston	29 18	94 50	16·5	1017·2	1019·3	+ 2·4	291·8	297·4	17th	286·1	276·9	6th	288·9	*289·0*	—0·8	56	..
618*a*	New Orleans	29 57	90 4	16·2	..	1019·3	+ 1·9	295·2	300·2	16th	286·4	281·3	1st	290·8	*290·7*	+1·0	82	..
619	Merida, Yuc.	20 58	89 38	22	1012·9	1015·4	..	302·2	307·6	8th	292·4	289·8	9th, 10th	297·3	*296·7*	..	59	..
620	Havana	23 8	82 21	24·3	..	1017·9	+ 0·8	300·0	303·4	8th	293·3	288·2	31st	296·7	*296·6*	+0·7	12	..
620*a*	Key West	24 33	81 48	6·7	1017·1	1017·9	+ 0·2	299·5	301·9	9th	294·3	290·2	31st	296·9	*296·2*	+0·6	6	..
621	Nassau, Bahamas	25 5	77 21	3·7	..	1020·1	+ 2·2	298·7	301·3	3rd, 11th	293·7	290·2	31st	296·2	*296·0*	+0·4	55	..
622	Watling Island	24 6	74 26	33·5	1015·1	1019·0	+ 2·2	..	300·8	12th	..	293·0	29th	..	*296·7*	..	..	..
633	Izaña	28 19	16 30	2367	768·8	..	..	283·3	..	..	275·6	..	..	279·4	*277·8*	..	82	..
634	La Laguna	28 28	W16 20	547	954·3	1018·1	+ 1·8	291·1	296·3	3rd	281·5	276·4	21st	286·3	*285·6*	—0·2	63	..
637	Insalah	27 1	E 2 21	?280	..	..	..	301·9	306·1	4th	280·3	278·0	21st	291·1	*292·8*	—1·8	0	..
641	Siwa	29 12	25 29	—23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642					..	..	..	..	..	..	..	..	..	..	..	..	..	..
643	Aswan	24 2	32 53	99·6	1002·4	1014·0	+ 0·2	306·6	313·3	31st	288·9	281·2	7th	297·7	*297·0*	+3·1	..	..
644	Tor	28 14	33 37	1·9	1014·4	1014·6	+ 0·9	299·3	306·0	29th	287·6	283·6	1st	293·5	*292·7*	+1·6	..	..
647	Bushire	28 59	50 53	4·3	1015·2	1015·8	+ 1·1	295·2	304·6	20th	287·8	284·3	9th	291·5	*290·9*	—0·2	0	..
648	Jask	25 44	57 47	4·0	1014·2	1014·6	+ 0·5	300·1	302·2	24th	291·4	288·1	4th	295·7	*295·1*	+0·1	0	..
649	Robat	29 45	60 55	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
649*a*	Karachi	24 53	66 57	4·0	1014·2	1014·6	+ 1·5	300·0	307·4	28th	293·4	289·2	14th	296·7	*296·1*	+0·3	0	..
650	Jacobabad	28 17	68 29	56·7	1007·0	1013·5	+ 1·2	306·4	308·8	9th	289·8	285·1	2nd	298·1	*297·6*	+1·2	0	..
651	Jaipur	26 56	75 52	436	965·6	1014·7	+ 1·9	304·8	308·3	31st	289·6	284·8	3rd	297·2	*296·9*	+0·1	0	..
652	Nagpur	21 8	79 5	310	978·6	1013·6	+ 1·6	308·4	311·4	30th	292·2	286·6	5th	300·3	*299·9*	—0·8	11	..
653	Allahabad	25 25	81 51	94·1	1003·1	1013·9	+ 2·0	306·7	309·9	13th, 31st	290·3	286·2	4th, 7th	298·5	*298·1*	+0·4	0	..
653*a*	Darjiling	27 3	88 18	2266	777·1	..	+ 1·4	288·4	294·2	16th	280·2	275·7	1st	284·3	*284·5*	+1·7	29	..
654	Calcutta	22 36	88 23	6·4	1012·0	1012·7	+ 1·1	307·5	311·1	31st	294·0	288·9	5th	300·8	*300·4*	+1·2	13	..
655	Gauhati	26 8	91 41	59·7	1006·4	1013·3	+ 0·6	305·1	309·4	15th	289·2	285·6	6th	297·2	*296·3*	+1·8	6	..
655*a*	Cherrapunji	25 15	91 42	1314	870·2	..	+ 1·1	295·3	298·1	25th, 28th	287·1	283·1	5th	291·2	*290·5*	+2·4	23	..
656	Mandalay	20 11	92 56	6·1	1012·3	1013·0	+ 0·7	305·1	308·9	30th	292·7	287·2	6th	298·9	*299·0*	—0·1	0	..
656*a*	Tengyueh	21 59	96 0	76·2	1003·7	1012·4	+ 0·8	311·1	314·5	15th	294·1	289·2	1st	302·6	*302·2*	+1·3	0	..
657	Phu Lien	24 59	98 35	1633	834·7	..	..	295·1	298·0	25th	279·3	273·6	1st	287·2	*286·8*	..	2	..
658	Moncay	20 48	106 37	116	999·1	1012·7	— 1·3	297·8	304·7	23rd	292·9	286·7	3rd	295·4	*294·9*	+3·0	36	..
659	Hong Kong	22 18	114 10	33·2	1012·3	1013·3	— 1·0	297·4	303·0	23rd	291·8	286·1	3rd	294·6	*294·4*	+2·6	60	..
660	Amoy	24 27	118 4	ca.3	..	1015·3	— 0·8	294·6	301·2	25th	290·7	285·1	31st	292·7	292·3	+2·1	45	..
					1017·3	1017·7	— 1·7	293·2	299·7	24th	288·2	283·6	11th, 30th	290·7	*290·5*	+2·4	41	..
661	Taihoku, Formosa	25 2	121 31	9·3	1015·9	1017·0	— 0·6	296·3	304·9	23rd	288·4	284·0	30th	292·3	291·7	+1·9	145	..
661*a*	Basco (Santo Domingo)	20 28	121 59	18·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
662	Naha	26 13	127 41	10·5	1015·5	1016·7	— 0·5	296·5	300·3	7th, 23rd	289·1	284·7	29th	292·8	292·9	+2·0	181	..
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1016·3	1016·8	— 0·1	295·6	298·5	25th	289·5	282·8	5th	292·5	292·6	+1·1	133	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

MARCH—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·6	1012·0	..	305·2	308·2	11th	290·5	288·2	26th	297·8	*297·1*	..	0	..
716	Morelia	19 42	101 7	1923	809·3	1007·6	..	294·7	300·0	12th	287·3	279·8	26th	291·0	*290·4*	..	2	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·1	1013·8	+ 0·6	298·1	301·8	10th, 14th	279·8	277·5	28th, 29th	289·0	288·0	—0·2	7	— 4
718	Salina Cruz	16 12	95 12	56	1006·1	1012·6	..	303·4	306·8	17th	296·0	292·4	27th	299·7	*299·2*	..	81	..
719	San Salvador	13 42	89 13	‡665	936·5	1010·5	— 0·5	309·7	313·6	9th	288·8	285·6	23rd	299·3	*297·3*	+0·7	0	— 11
720	Belize	17 29	88 12	5·2	1014·6	1015·3	+ 1·4	301·9	303·8	1st	296·1	290·2	31st	299·0	*298·6*	0·0	13	— 30
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·7	+ 0·1	302·9	304·8	3rd	293·1	290·2	25th	298·0	*297·8*	+0·4	14	— 45
721*a*	Port an Prince	18 34	72 22	37·4	1011·5	1015·8	+ 0·4	303·9	306·9	7th	294·4	291·1	23rd	299·2	*298·4*	+0·1	55	— 40
722	Caracas	10 30	66 55	1042	900·3	1016·7	— 1·3	299·2	302·5	4th	287·0	280·1	13th	293·1	*290·8*	—1·2	23	+ 6
723	Montserrat	16 41	62 9	39·6	1010·8	1015·4	— 1·0	303·7	306·9	29th, 31st	293·9	290·8	20th	298·8	*298·2*	..	58	..
725	Grenada (Richmond Hill)	12 5	61 46	155	995·4	1013·4	+ 0·4	302·6	304·1	17th	295·8	294·1	20th	299·2	*298·7*	+0·8	16	— 54
	Barbados	13 8	59 36	55·2	..	1014·6	— 0·3	302·8	303·8	31st	294·1	291·0	3rd	298·4	*298·2*	+0·5	17	— 21
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·7	1015·0	+ 0·5	298·6	298·2	26th	291·4	290·0	9, 13, 17	295·0	*294·1*	+0·5	0	— 1
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·1	1014·7	+ 0·2	299·7	303·2	5th	295·4	293·4	2nd	297·5	*297·2*	+2·1	0	— 2
733	Bathurst	13 27	16 36	1·8	1013·8	1014·0	+ 1·2	305·4	310·8	16, 30, 31	..	..	..	..	*299·7*	+2·1	0	0
734	M'Carthy Island	13 27	16 36	1·8	1013·8	1014·0	+ 1·2	313·2	314·7	31st	291·3	289·1	sev. dates	302·2	..	—0·4	0	0
735	Ségou	13 33	14 45	1·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 43	W 3 2	270	..	..	..	311·2	314·7	24th, 25th	295·4	288·6	1st	303·3	*303·1*	+0·1	1	— 2
738	Kaduna Capital	13 2	E 5 14	353	..	..	..	308·1	310·2	10th	292·1	288·6	sev. dates	300·1	*299·8*	—0·2	10	— 1
740	Hadeija	10 32	7 25	637	943·6	1014·3	+ 0·7	313·2	317·4	11th	293·8	286·9	2nd	303·5	*303·2*	+1·8	0	..
741	Maiduguri	12 40	10 5	?	..	..	..	314·3	318·0	24th	293·9	288·6	4th	304·1	*303·8*	+1·3	0	0
	El Fasher	11 47	13 11	361	..	..	..	308·9	314·5	18th	289·4	282·0	8th	299·2	..	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	310·3	315·6	17th	289·8	282·0	6th	300·1	*301·0*	+3·6	0	— 2
744	Khartoum	15 37	32 33	390	965·1	1008·5	— 0·4	309·9	315·2	19th	293·5	286·2	6th	301·7	*302·2*	+1·8	0	0
745	Port Sudan	19 37	37 13	5·5	1011·5	1012·1	+ 0·1	303·3	305·0	31st	294·0	290·5	6th, 8th	298·7	*298·2*	+1·5	0	— 2
746	Berbera, Somaliland	10 22	45 2	9·5	1012·8	1013·9	+ 0·4	302·9	305·2	27th	296·1	293·0	13th	299·5	*299·7*	+1·1	41	+ 18
	Aden	12 45	45 3	28·7	1010·7	1014·0	+ 0·7	300·7	302·8	8th	296·8	294·6	13th	298·7	*298·0*	—0·6	0	— 14
751	Bombay	18 54	72 49	11·3	1013·0	1014·2	+ 1·5	302·4	305·8	29th	295·7	294·5	5th	299·1	*298·2*	—0·3	0	— 1
751*a*	Cochin	10 58	76 21	2·7	1013·4	1013·6	+ 1·6	305·3	306·3	30th	298·1	295·9	21st	301·7	*300·8*	—0·3	82	+ 31
752	Kodaikanal	10 14	77 28	2343	773·0	..	+ 0·7	293·6	295·6	31st	282·9	279·0	10th	288·2	*288·2*	—0·2	26	— 34
752*a*	Bangalore	12 59	77 38	920	913·2	1013·0	+ 1·5	306·3	308·2	15, 27, 31	291·3	287·2	11th	298·8	*298·2*	+0·4	3	— 11
753	Madras	13 4	80 14	6·7	1013·2	1014·0	+ 1·5	304·4	305·4	14th	295·2	292·1	10th	299·8	*299·0*	—0·4	50	+ 46
754	Vizagapatam	17 42	83 19	11·6	1012·2	1013·5	+ 1·3	304·6	308·5	14th	297·5	294·8	8th	301·1	*300·2*	+0·9	0	— 9
755	Port Blair	11 40	92 40	17·7	1011·2	1013·3	+ 1·2	304·8	307·3	18th, 31st	296·9	294·5	6th	300·8	*299·9*	—0·8	0	— 18
756	Rangoon	16 46	96 48	5·5	1012·3	1012·9	+ 0·9	308·7	310·8	25th, 31st	294·8	291·9	7th	301·8	*300·3*	+0·1	0	— 9
757	Saigon	10 47	106 42	11·2	1010·0	1011·2	+ 0·7	307·3	308·6	27th	297·8	295·8	18th	302·6	*302·0*	+0·8	7	0
758	Nhatrang	12 15	109 12	3·6	1012·0	1012·4	+ 0·4	303·6	306·3	22nd	295·3	293·8	15th, 17th	299·5	*299·0*	+0·3	26	+ 6
759	Bolinao	16 24	119 53	7·1	..	1010·5	— 0·4	306·4	309·4	26th	295·9	293·1	3rd	301·1	*299·9*	—0·3	25	+ 10
760	Vigan	17 34	120 23	12·2	..	1011·9	+ 0·5	305·3	309·2	26th	296·0	293·0	2nd	300·7	300·3	+0·5	2	— 4
761	Manila	14 35	120 59	14·2	..	1012·4	+ 0·8	307·2	309·2	25th	293·3	290·1	6th	300·3	299·7	+0·1	2	— 17
762	Ormoc	11 0	124 36	5·6	..	1011·2	+ 1·2	306·1	307·4	29th	293·8	290·5	22nd	299·9	*299·7*	+1·0	22	— 70
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1011·1	+ 1·1	302·5	304·2	17th	296·8	295·6	9, 19, 20	299·7	*299·4*	—0·2	25	— 55
		N.	E.															

Between Latitude 10° N. and 0°. MARCH—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	3·1	..	..	..	304·4	306·9	3rd	297·9	296·3	9th, 20th	301·2	*300·8*	+1·1	214	—106
821	Colon	9 23	79 23	11·0	..	1012·5	+0·4	301·1	301·9	30th	297·9	295·8	28th	299·5	*299·2*	0·0	15	— 26
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	44	— 56
824	Merida, Venez.	8 36	71 9	1641	‡841·7	..	..	297·9	299·9	9th	288·4	287·0	18th, 19th	293·2	*292·1*	..	54	..
825	El Peru, Guayanavieja	7 19	61 49	220	986·1	1011·4	+0·1	..	..	..	..	..	..	..	‡*295·8*	+0·4	60	+ 5
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·3	+1·4	302·2	303·6	27th	297·4	295·2	14th	299·8	*299·4*	+0·4	231	+ 170
826*a*	Paramaribo	5 49	55 9	3·7	1013·7	1013·9	+1·2	301·8	303·9	23rd	296·2	293·2	14th	299·0	*298·4*	—0·3	332	+120
	Cayenne	4 56	52 21	6	..	..	..	302·9	304·0	28th	294·4	293·8	4, 9, 12	298·7	*298·3*	—0·8	839	+437
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1005·5	1013·4	+2·5	305·1	307·4	21st	..	..	..	..	‡*300·5*	—0·6	147	+119
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	87	+ 29
837	Accra	5 33	W 0 12	25·7	..	..	..	305·7	..	..	..	..	..	..	..	..	14	— 32
838	Lagos	6 27	E 3 24	4·6	1011·3	1011·8	..	304·5	308·6	..	298·8	294·9	..	301·7	*301·3*	+0·4	152	+ 56
838*a*	Zungeru	9 48	6 10	130	..	..	..	311·2	313·6	5th	296·4	291·3	1, 3, 4	303·8	*303·5*	+0·5	4	— 10
839	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
840	Yola	9 12	12 30	259	..	..	..	311·7	313·6	9, 10, 20	298·1	293·6	27th	304·9	*304·6*	+0·5	67	+ 58
841	Wau	7 42	28 3	440	959·4	1008·1	+0·7	..	..	..	294·4	290·0	14th	..	*302·5*	+1·1	16	— 6
843	Malakal (Kodok)	9 35	31 37	394	963·4	1007·0	+0·3	313·0	316·6	16th	295·6	290·3	7th	304·3	*303·5*	..	0	— 7
844	Mongalla	5 11	31 47	439	958·9	1007·5	+1·3	312·2	316·0	20th	..	..	..	..	‡*302·4*	..	20	— 19
845	Entebbe	0 5	32 29	1171	883·8	..	+0·8	299·9	302·9	21st	291·8	289·1	4th	295·9	*295·4*	+0·7	229	+ 81
847	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
852	Minicoy	8 17	72 49	2·1	1014·5	1014·7	+2·6	..	..	..	..	..	..	..	..	..	29	+ 15
853	Colombo Observatory	6 54	79 53	7·3	1011·0	1011·8	+1·5	305·1	307·2	29th	296·1	293·3	3rd	300·6	*299·7*	+0·2	85	— 30
854	Nuwara Eliya	6 59	80 47	1886	..	..	..	295·6	298·2	12th	279·0	272·4	9th	287·3	*286·2*	—0·8	120	+ 40
	Trincomalee	8 34	81 14	30·2	1008·8	1012·2	+2·2	304·9	306·4	18th	297·2	295·3	10th	301·1

MARCH—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	*301·1*	+0·4	413	+261
924	Manaos	3 8	60 1	43·8														
926	Taperinha	2 30	54 20	20·0	1009·2	1011·4	+ 0·2	304·7	308·0	5th	296·6	294·0	13th	300·6	*299·7*	+0·1	174	—
927	Turyassu	1 43	45 26	15·1	1009·2	1010·9	0·0	301·9	304·2	29th	295·7	294·0	sev. dates	298·8	*297·9*	+0·1	350	—
928	Barra do Corda	5 30	45 16	81·0	1000·7	1010·1	— 0·2	305·5	307·6	17th	296·2	293·4	24th	300·8	*299·8*	+1·3	85	—
929	Quixeramobim	5 16	39 15	207	988·2	1011·4	+ 0·5	303·9	306·3	5th, 7th	294·7	293·2	24th, 25th	299·3	*298·4*	+0·4	108	—
930	Fernando Noronha	3 50	W32 25	106	1000·5	1012·6	+ 0·7	307·0	308·5	sev. dates	298·6	296·5	12th	302·8	*301·8*	+1·8	47	—
								302·0	302·8	9th, 24th	298·0	296·5	25th	300·0	*299·5*	..	14	—
939	Loanda	8 49	E 13 13	59·3	..	1011·3	+ 1·1	300·3	302·3	26th	296·7	294·8	4th	298·5	298·4	—0·7	4	—
940	Brazzaville	4 17	15 16	320	975·2	1011·3	+ 0·3	306·6	309·4	4th	294·5	293·0	17th	300·6	*299·8*	+0·9	173	—
943	Masaka	0 21	31 47	?1280	..	..	..	300·3	303·6	20th, 21st	289·7	288·6	5, 23, 29	295·0	*293·3*	+0·2	96	—
944	Nairobi	1 14	36 44	1800	..	..	..	298·6	302·4	23rd	285·8	281·3	12th	292·2	*291·6*	+0·4	104	—
944*a*	Zanzibar	6 10	39 11	21·9	1011·6	1014·0	+ 1·2	303·8	306·3	1st	299·6	295·3	2nd	301·7	*301·2*	+0·4	185	—
945	Lamu	2 16	40 50	3·1	..	..	..	305·8	306·9	9th	298·6	296·3	29th, 31st	302·2	*301·7*	+1·3	181	—
947	Seychelles, Port Office	4 37	55 27	4·6	1011·8	1012·3	+ 1·7	302·5	303·6	..	299·4	297·2	..	300·9	*300·4*	+1·3	327	—
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	289	—
958	Batavia	6 11	106 50	8·0	1009·8	1010·7	+ 0·8	303·6	306·2	23rd	296·8	294·2	12th	300·2	299·7	+0·7	169	—
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	119	—
959	Passeroean	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	229	—
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	567	—
962	Ambon	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	110	—
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	231	—
965	Daru	9 4	143 13	7·6	..	1009·6	0·0	303·9	..	..	..	..	..	..	..	..	340	—
966	Port Moresby	9 29	147 9	39·0	..	1010·4	+ 1·2	304·3	..	..	296·6	..	..	300·4	‡*300·4*	0·0	144	—
967															*299·9*	—0·4		
968	Rendova	8 30	157 12	1·8	1008·8	1008·9	+ 1·3	..	..	..	..	..	..	..	..	..	767	—
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·3	1008·5	+ 0·7	304·5	306·8	30th	297·9	296·7	10th, 18th	301·2	*300·9*	+0·6	355	—
970	Ocean Island	0 52 S.	169 35 E.	20·0	1005·6	1007·9	0·0	303·9	305·8	23rd, 28th	297·3	295·8	20th	300·6	*300·0*	—0·3	538	—

MARCH—ZONE 10.

Between Latitude 10° S. and 20° S.

No	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1009·6	+ 0·4	303·5	305·0	15th	296·8	294·8	18th	300·1	299·9	+0·7	266	—
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	304·2	308·6	18th	..	..	..	..	..	..	392	—
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	—
1021	Arequipa	16 22	71 33	2451	761·8	..	+ 0·7	293·4	296·2	25th	284·4	281·6	22nd	288·9	*288·0*	+1·4	13	—
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	..	..	..	..	..	..	—
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	730·7	..	..	289·2	292·3	28th	281·6	279·2	16th	285·4	*285·9*	..	248	+158
1025	Corumba	18 59	57 39	116	997·2	1010·6	+ 0·6	307·9	310·0	1st, 5th	295·9	294·2	4th, 22nd	301·9	*300·6*	+0·7	60	—
1026	Cuyaba	15 36	56 6	165	990·8	1009·6	+ 0·2	304·5	307·5	6th	298·8	297·0	29th, 30th	301·6	*301·4*	+1·4	287	—
1027	Bello Horizonte	19 55	43 57	857	919·2	1014·8	+ 1·3	298·2	302·5	8th	290·3	287·8	28th	294·3	*293·8*	—0·9	132	—
1028	Caetite	14 3	42 37	900	916·0	1014·9	+ 1·7	298·4	300·8	15th	291·0	289·0	26th	294·7	*295·1*	—1·0	117	—
1029	Ondina (Bahia)	13 0	38 31	46·6	1007·7	1013·1	+ 0·5	302·4	303·9	24th	296·2	293·9	27th	299·3	*298·8*	—0·1	270	—
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	—
1035	St. Helena	15 57	W 5 40	632	946·0	1017·0	+ 1·3	297·8	301·1	29th	288·8	287·7	9th	293·3	*292·9*	+1·0	88	—
1042	Gwelo	19·28	E 29 48	1417	862·1	..	+ 0·5	300·6	303·6	28th	284·0	279·1	24th	292·3	..	—0·7	19	—
1043	Salisbury, Rhodesia	17 48	31 5	1457	857·4	..	+ 0·7	300·6	304·1	30th	286·3	281·3	29th, 30th	293·4	*292·3*	+0·4	23	—
1044	Zomba	15 23	35 18	996	907·6	1018·2	+ 1·8	299·9	303·0	21st	290·5	288·0	14, 26, 27	295·2	*294·7*	+0·6	198	—
1045	Tananarive	18 55	47 32	1400	863·6	..	+ 0·9	297·8	300·4	19th	289·7	286·9	31st	293·8	*293·0*	+0·3	243	—
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	—
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·8	1012·4	+ 1·8	303·2	305·7	26th	298·2	296·3	17th	300·7	*300·3*	+0·1	124	—
1056																		
1057	Christmas Island	10 25	105 43	5·5	1008·1	1008·7	+ 0·7	304·3	306·3	..	297·9	295·8	..	301·1	*300·6*	+0·4	233	—
1058																		
1061	Koepang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	77	—
1061*a*	Derby	17 18	123 40	16·2	1009·1	1010·9	+ 2·3	308·4	312·4	29th	298·0	294·2	3rd	303·2	..	+0·1	105	—
1062	Hall's Creek	18 13	127 46	374	969·7	1010·6	+ 1·7	309·5	311·3	28th	294·6	288·0	20th	302·1	*301·7*	+0·8	7	—
1063	Darwin	12 28	130 51	29·6	1005·3	1008·6	+ 1·2	305·6	307·9	31st	298·1	295·1	6th	301·8	*300·7*	—0·1	391	—
1064	Daly Waters	16 16	133 23	211	984·2	1007·5	+ 0·1	308·4	310·8	26th	295·8	292·4	17th, 19th	302·1	*301·7*	+0·3	5	—
1065	Mein	13 13	142 47	122	994·4	1008·0	+ 1·1	304·2	306·3	9th, 16th	295·3	291·5	21st	299·7	..	—0·3	130	—
1066	Georgetown, Queensland	18 22	143 32	302	977·0	1010·5	+ 1·8	306·5	309·3	25th	294·3	288·6	20th	300·4	..	+0·5	87	—
1067	Samarai	10 37	150 40	15·2	..	1008·7	+ 0·7	304·3	..	..	297·9	..	..	301·1	*300·8*	+0·7	397	—
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1010·0	0·0	303·0	305·2	12th, 17th	296·4	294·2	6th	299·7	*299·4*	0·0	329	—
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

*For formulæ employed *see* pages 112 and 113. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

MARCH—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	*301·1*	+0·4	413	+261
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·1	1014·3	— 0·3	293·8	296·5	13th	288·2	286·7	11th	291·0	*290·6*	+1·5	0	— 2
1122	Iquique	20 12	70 11	9	..	..	..	..	..	..	..	..	..	..	..	..	0	0
1123	Catamarca	28 27	65 47	510	951·6	1009·0	+ 0·3	301·5	310·0	28th	291·0	284·1	31st	296·3	295·6	—1·6	100	+ 47
1124	Salta	24 46	65 28	1178	883·4	1011·4	+ 1·0	298·0	304·9	1st	289·7	285·2	31st	293·9	293·8	+1·0	180	+ 77
1125	Goya	29 9	59 15	26	1009·4	1012·4	+ 0·6	303·9	308·6	10th	293·6	287·2	31st	298·7	297·6	+0·9	149	+ 10
1126	Asuncion	25 21	57 37	95	‡1002·9	‡1013·9	+ 0·9	306·8	310·8	1st	294·2	291·0	20th	300·5	299·1	+0·4	113	+ 10
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1008·8	1015·8	+ 3·0	298·7	301·2	3rd	294·5	291·6	26th	296·6	296·5	—1·3	59	— 80
1139	Windhoek	22 35	E 17 5	1680	..	..	..	300·9	304·2	3rd	290·1	288·4	18th	295·5	*295·5*	+1·5	58	— 20
1140																		
1141	Kimberley	28 42	24 47	1202	883·4	..	+ 1·3	302·4	307·9	8th	287·6	283·0	25th	295·0	294·4	+0·8	78	0
1141*a*	Johannesburg	26 11	28 4	1806	825·6	..	+ 1·3	297·1	301·8	29th	286·3	282·2	14th	291·7	*291·2*	+1·3	87	— 20
1142	Pretoria (Brooklyn)	25 46	28 13	1400	864·1	..	+ 1·2	299·8	304·0	29th	286·7	284·7	14th	293·3	*292·8*	+0·7	90	..
1143	Bulawayo	20 9	28 35	1340	869·1	..	+ 1·1	298·9	301·6	..	286·9	283·1	..	292·9	*292·3*	—0·6	29	— 51
1144	Durban	29 52	31 3	15·2	1016·3	1018·1	+ 0·6	300·6	303·9	5th	293·3	290·2	18th, 19th	296·9	*296·3*	+0·5	130	— 6
1145	Lorenzo Marques	25 58	32 36	59	..	1016·2	+ 1·3	303·3	307·2	20th	293·6	291·4	11th	298·5	297·7	+0·3	42	— 37
1147	Mauritius	20 6	57 33	55·2	1004·0	1010·4	— 1·6	302·3	304·4	11th	296·0	291·4	29th	299·1	298·9	+0·6	203	— 35
1159	Onslow	21 43	114 57	4·3	1008·8	1009·7	+ 1·5	309·9	317·4	1st	295·7	291·3	21st	302·8	..	+0·6	2	— 21
1160	Peak Hill	25 38	118 47	588	945·1	1008·4	— 0·7	309·9	315·2	3rd	295·7	291·9	28th	302·8	..	+2·0	0	— 33
1161	Nullagine	21 53	120 5	386	968·3	1010·1	+ 1·6	311·2	315·5	2nd	292·9	288·0	18th	302·0	..	—0·1	2	— 58
1162	Laverton	28 40	122 23	466	962·5	1013·9	+ 0·4	307·3	314·8	1st	292·2	287·7	21st	299·8	*299·7*	+2·4	0	— 31
1163	Alice Springs	23 38	133 37	587	947·6	1012·2	+ 1·6	304·4	309·7	25th	287·1	280·2	18th	295·8	*296·1*	—2·0	0	— 31
1164	William Creek	28 55	136 21	76·2	1006·5	1015·2	+ 1·3	304·2	311·9	3rd	288·7	283·6	23rd	296·4	*296·2*	—1·3	0	— 17
1165	Boulia	22 55	139 38	146	993·0	1008·8	+ 0·3	309·8	314·1	26th	294·0	288·5	7th	301·9	*302·2*	+1·0	0	— 46
1166	Thargomindah	27 58	143 43	123	997·8	1011·7	0·0	306·1	310·4	4th	291·5	287·6	19th	298·8	*298·6*	—0·4	11	— 9
1167	Mitchell	26 32	147 52	336	974·1	1011·5	..	304·4	308·1	20, 26, 27	287·9	282·4	22nd	296·2	..	+0·1	59	— 22
1168	Rockhampton	23 24	150 30	11·3	1009·9	1011·3	— 0·3	305·6	311·9	5th	294·9	291·3	19th	300·3	..	+1·5	80	— 52
1169	Brisbane	27 28	153 2	41·7	1008·3	1012·9	— 1·6	302·5	310·4	5th	292·9	289·7	16th, 20th	297·7	*296·8*	+1·2	153	+ 5
1170	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1171	Norfolk Island	29 4 S.	167 59 E.	15·2	1014·3	1016·0	+ 1·8	296·9	301·3	11th	292·1	287·7	24th	294·5	*294·1*	—0·3	110	+ 9

MARCH—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	294·3	297·7	25th	288·9	287·1	3rd	291·6	*292·0*	—0·1	40	— 3
1221*a*	Punta Tumbes	36 37	73 6	91	‡1003·0	‡1013·9	— 1·5	292·3	295·0	4th	286·0	283·0	30th	289·1	*288·9*	+ 1·7	7	— 9
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1009·2	1014·1	— 0·9	294·6	298·4	26th	286·4	283·9	31st	290·5	*290·1*	0·0	0	— 10
1223	Santiago	33 27	70 42	520	953·5	1013·2	— 0·5	300·2	304·4	26th	282·6	279·0	30th	291·4	*290·5*	+1·0	0	— 5
1224	Bahia Blanca	38 45	62 15	25	..	1016·7	+ 4·3	297·2	302·0	27th	288·0	282·0	30th	292·6	292·3	—0·1	185	+119
1225	Buenos Ayres (Chacarita)	34 46	58 22	25	..	1016·6	+ 2·3	298·6	302·6	28th	290·1	281·3	30th	294·3	293·7	—0·2	227	+115
1226	Montevideo (Prado)	34 52	56 12	24·9	1014·5	1017·4	+ 2·6	299·5	306·2	28th	289·8	282·2	31st	294·7	294·3	+1·1	94	+ 13
1227	Porto Alegre	30 2	W51 13	23·5	1014·1	1016·8	+ 1·7	301·9	307·8	1st	291·6	288·0	28th	296·7	296·4	+0·9	70	— 18
1239	Cape Town	33 56	E 18 29	12·2	..	1015·9	+ 1·3	300·9	310·6	14th	289·2	284·6	27th	295·1	*293·4*	+1·9	3	— 19
1240	Danger Point	34 37	19 18	27·7	1014·5	1017·8	..	294·2	296·9	1st, 14th	287·6	278·6	14th	290·9	..	..	0	— 22
1241	Riversdale	34 6	21 16	761	1001·5	1008·7	..	299·7	309·7	11th	289·1	284·7	4th, 19th	294·4	..	..	29	..
1242	East London	33 1	27 54	9·8	1014·9	1016·0	+ 1·0	297·2	302·4	7th	290·8	288·6	25th	294·0	..	+0·8	84	— 3
1259	Perth (Observatory	31 57	115 51	60·0	1008·1	1015·2	— 0·2	301·7	312·6	9th	290·7	284·2	27th	296·2	*295·7*	+1·5	15	— 4
1260	Katanning	33 42	117 35	310	981·0	1016·6	+ 0·7	301·5	313·6	15th	287·1	278·1	26th	294·3	..	+2·2	9	— 15
1261	Coolgardie	30 57	121 10	423	967·9	1015·3	+ 0·6	304·6	313·4	17th	289·6	284·6	26th	297·1	*297·0*	+2·0	23	+ 4
1262	Eucla	31 45	128 58	4·6	1016·9	1017·6	+ 1·3	297·4	311·3	28th	289·8	282·4	26th	293·6	*293·0*	—0·1	5	— 18
1263	Streaky Bay	32 48	134 13	13·1	1017·1	1018·6	+ 1·7	300·4	307·6	24th	286·9	282·1	16th	293·7	*293·0*	+0·5	2	— 13
1264	Adelaide	34 56	138 35	42·7	1013·6	1018·6	+ 1·5	298·1	307·8	25th	286·8	282·2	17th	292·4	*291·9*	—1·7	2	— 24
1265	Melbourne	37 49	144 58	35·1	1012·0	1016·4	— 0·6	294·4	307·6	3rd	285·4	278·6	25th	289·9	*289·5*	—1·2	165	+108
1266	Bourke	30 13	145 58	110	1004·3	1017·0	+ 0·8	305·8	311·9	13th	287·4	281·9	23rd	296·6	..	—1·6	0	— 32
1267	Sydney	33 51	151 13	44·5	1009·3	1014·5	— 1·8	298·5	304·4	20th	290·2	285·7	22nd	294·4	*293·9*	+0·7	134	+ 8
1268	Lord Howe Island	31 20	159 0	4·6	1014·7	1015·3	— 0·9	298·0	301·3	5th	291·7	285·6	17th	294·8	..	—0·1	158	+ 20
1271	Auckland	36 50	174 50	38·1	..	1017·6	..	294·3	298·0	11th	286·6	280·8	27th	290·4	..	—0·9	53	— 24
1272	Napier	39 32 S.	176 53 E.	,21·3	..	1015·8	— 1·1	294·2	300·2	1st	284·1	278·6	28th, 31st	289·2	..	—1·0	25	— 69

MARCH—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		S.	W.															
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	70	— 11
1321	Isla Guafo	43 34	74 45	140	998·2	1015·0	— 1·7	288·9	298·2	2nd	284·3	281·2	28th	286·6	*286·8*	+1·7	45	— 17
1322	Punta Galera	40 1	73 44	40	1010·6	1015·4	— 0·8	290·7	299·5	11th	285·1	282·0	30th	287·9	*288·3*	+2·1	133	+ 28
1323	Sarmiento	45 30	69 0	274	..	1011·6	..	297·5	303·5	22nd	283·3	276·6	1st	290·4	289·7	+2·8	7	— 9
1324	Puerto Madryn	42 49	W64 58	14	..	1015·9	..	297·2	304·6	27th	286·6	281·0	1st	291·9	291·2	+0·9	21	+ 12
1365	Launceston	41 27	E147 10	10·1	1011·4	1012·5	— 2.0	294·5	299·6	1st	282·5	276·6	21st, 24th	288·5	*287·5*	—0·6	12	— 33
1366	Hobart	42 53	147 20	53·9	1005·0	1011·5	— 2·3	292·3	301·6	29th	283·9	275·8	25th	288·1	*287·1*	—0·1	149	+106
1370	Invercargill	46 25	168 21	5·5	..	..	..	291·4	298·0	6th	278·6	270·8	27th	285·0	..	—0·9	80	— 11
1371	Dunedin	45 52	170 31	91·4	..	1012·9	— 1·4	291·1	296·9	5th	281·7	275·2	26th	286·4	..	+0·5	35	— 40
1372	Christchurch	43 31	172 38	7·6	..	1012·6	— 1·6	293·7	300·3	2nd	282·0	275·1	26th	287·8	..	+0·1	18	— 38
	Wellington	41 16 S.	174 46 E.	2·4	..	1016·1	— 0·3	292·3	296·2	8th	285·2	276·9	30th	288·7	..	—0·1	28	— 55
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

*For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

MARCH—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1001·9	1008·6	+ 6·1	284·8	288·8	22nd	281·1	278·5	17th, 29th	282·9	*283·0*	+1·6	153	— 5
1422	Puerto de Punta Arenas	53 10	70 54	4	1006·4	1006·9	+ 6·6	288·9	295·8	12th	279·6	273·5	19th	284·3	*284·3*	+2·1	19	— 3
1423	Punta Dungeness	52 24	68 26	5	..	..	..	286·4	293·6	11th	279·8	277·2	31st	283·1	*285·5*	+2·4	4	— 1
1424	Santa Cruz	50 11	68 21	12	..	1009·0	+ 5·1	294·3	302·2	12th	281·6	275·7	7th	287·9	287·9	+2·4	1	— 1
1424a	Año Nuevo	54 39	64 8	50	998·3	1004·4	+ 6·3	283·2	288·2	16th	279.2	275·6	10th	281·2	281·1	+1·6	40	— 9
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	28	— 7
1426	Cape Pembroke	51 41	57 42	21	..	1007·9	+ 6·6	285·4	291·3	17th	278·9	273·6	10th	282·2	282·4	+0·8	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

MARCH—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	991·4	992·3	+ 1·0	275·6	281·9	17th	271·1	266·8	7th	273·3	273·4	+0·9	19	— 2
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MARCH 1919.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	10½h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SSE	..	N	SW 2 SW 1	Calm 0 Calm 0	SE 4	Calm 0	NE 3 NE 3	N 1
2	SSE	..	N	NNW 1 SW 1	Calm 0 Calm 0	SE 4	SE 2	NE 4 NE 2	Calm SE
3	SE	..	N	Calm 0 Calm 0	Calm 0 SE 1	SE 4	Calm 0	NE 3 NE 3	SE
4	ESE	..	N	NW 1 Calm 0	W 3 SE 1	NE 3	NW 2	NE 2 NE 2	SE
5	SE	5·5	N	Calm 0 SW 1	S 1 S 2	SE 3	Calm 0	NE 2 Calm 0	NW
6	SE	6·0	N	Calm 0 Calm 0	N 2 S 2	SE 4	Calm 0	NNE 1 NW 3	NW
7	SE	..	N	Calm 0 SW 1	N 1 N 2	NE 4	NW 2	NE 2 NE 2	NW
8	SSE	..	N	NE 1 Calm 0	S 1 N 2	NE 4	Calm 0	NE 3 N 2	SE
9	SSE	9·8	N	Calm 0 Calm 0	N 1 W 2	NE 4	NW 4	WSW 3 SW 3	E
10	SE	7·2	N	Calm 0 SW 1	Calm 0 W 2	NE 4	NW 4	SW 2 W 3	NE
11	SSE	5·8	N	NW 1 Calm 0	N 1 Calm 0	SE 3	NW 4	SW 2 W 3	E
12	SE	4·6	N	Calm 0 Calm 0	S 2 N 1	SW 3	NW 6	NNW 1 N 2	Calm
13	SE	3·8	N	W 1 NW 1	N 1 W 2	NE 3	NW 6	NE 3 NE 2	E
14	SE	3·9	N	Calm 0 SW 1	N 1 N 1	NE 3	NW 6	NE 3 NE 3	E
15	SE	4·9	N	NW 1 Calm 0	N 1 N 2	SW 2	NW 4	NE 3 NE 3	E
16	SE	5·8	N	Calm 0 Calm 0	Calm 0 N 2	NW 2	NW 6	NE 3 NE 3	E
17	SSE	5·7	N	W 1 SW 1	N 1 W 2	NW 3	NW 4	WSW 4 Calm 0	N
18	SSE	5·6	N	Calm 0 Calm 0	N 1 S 2	NE 3	NW 2	WSW 4 W 2	W
19	S	4·0	NE	W 1 SW 1	S 1 S 2	NE 3	Calm 0	W 4 W 3	S
20	SE	4·3	NE	ENE 1 SW 2	S 1 W 2	NE 3	SE 2	WSW 2 WSW 3	S
21	SE	4·2	Calm	Calm 0 Calm 0	W 1 S 2	NE 2	Calm 0	W 4 WNW 4	SE
22	SSE	..	Calm	NE 1 SW 1	Calm 0 W 2	NW 3	Calm 0	NW 4 Calm 0	SE
23	SE	..	N	ENE 1 NW 1	N 1 W 2	NW 2	SE 2	NW 1 NNW 2	SE
24	SE	8·0	N	SW 2 SW 1	N 1 N 2	NW 2	SE 2	E 3 E 2	SE
25	SSE	4·6	N	SW 1 SW 1	S 1 W 2	NW 2	Calm 0	E 3 E 2	SE
26	SE	2·0	N	Calm 0 Calm 0	E 2 W 2	NW 2	SE 2	E 3 E 2	Calm
27	Calm	2·1	NE	Calm 0 Calm 0	W 2 W 1	NW 2	Calm 0	N 3 N 3	SE
28	SE	3·7	NE	Calm 0 Calm 0	Calm 0 S 1	NW 2	Calm 0	NNE 4 NE 2	SW
29	SSE	7·3	NE	Calm 0 SW 1	N 1 N 1	NE 2	Calm 0	NNE 4 NE 2	SW
30	SE	6·9	NE	NE 1 SW 1	N 3 N 2	SE 2	Calm 0	E 3 NE 3	SW
31	SE	6·8	E	SW 1 SW 1	N 1 W 1	NE 2	SE 2	NE 3 NE 2	SW
Mean	..	5·3	..	0·6 0·6	1·0 1·5	2·8	1·9	2·8 2·2	
§Resultant	145° (91)	..	10° (86)	250° (29)	315° (23)	45° (42)	315° (16)	25° (47)	150° (29)
§Normal	142° (88)	6·4	‖78° (83)	277° (38)	260° (39)	76° (77)	320° (9)	84° (41)	70° (44)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 632 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MARCH 1919.

‡‡ *Barents Sea.*—The ice was so close round Bear Island that it was impossible to reach the coasts. Brash was observed 16 miles south of the island.

‡‡ *Spitsbergen.*—The fjords were all frozen up.

‡‡ *Iceland.*—A few ice hummocks observed in Thistil Fjord on the 13th but no ice elsewhere or on any other day. Normal duration is 8 days visible, 1 day heavy.

‡‡ *Denmark Strait.*—At Angmagsalik, outside the land water, the polar ice was partly frozen together with the winter ice. Icebergs were numerous.

‡‡ *Davis Strait.*—Closely packed "Storis" lay off Cape Farewell and "Storis" was seen in Julianehaab Bay except from the 6th to the 11th and from the 23rd to 31st, when no ice was visible from Kagsimiut. On the 7th the ice drifted northwards to Frederikshaab and again on the 17th as far as Arsuk. On the 24th the ice reached Frederikshaab and remained there.

‡‡ *Smith Sound.*—Open water was observed now and again along the coast but not in the offing.

‡‡ *Isforholdene i de Arktiske Have*, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, APRIL 1919.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF APRIL 1919 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **APRIL—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1265	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1323	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Upernivik	72 47	W56 7	18·9	1016·8	1019·3	+ 4·1	260·5	269·3	30th	249·2	242·0	4th	254·9	*253·2*	—5·4	7	— 7
1339	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1009·1	1010·6	— 1·9	..	267·2	30th	246·5	235·0	14th	..	*253·2*	—5·1	5	— 18
1340	Gjesvaer	71 6	25 22	6·5	1003·5	1004·3	— 6·9	..	277·4	29th	268·0	264·7	16th	..	*271·0*	—1·3	69	+ 32
1341	Mehavn	71 1	27 47	6·4	1003·6	1004·4	— 5·3	..	276·1	17th	267·0	263·0	10th	..	*270·1*	—1·6	40	— 6
1342	Vardö	70 22	31 8	10·0	1003·4	1004·7	— 7·2	..	274·4	18th	267·8	263·1	1st	..	*270·4*	—1·1	17	— 22
1347	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1348	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1357	Maudhavn	77 33 N.	105 40 E.	2·5	1011·1	1011·4	— 1·8	..	262·8	23rd	249·3	245·2	10th	..	*253·2*	..	..	..

Between Latitude 70° N. and 60° N. **APRIL—ZONE 2.**

2024	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2025	Nome	64 30	165 24	6·7	..	1011·8	+ 0·6	268·8	275·2	6th	259·6	250·8	11th	264·2	*264·7*	—1·2	4	— 10
2026	Candle	65 55	161 57	2·4	..	..	..	264·9	277·4	16th	257·9	243·0	26th	261·4	..	..	..	..
2044	Tanana	65 10	152 6	67·1	..	1010·1	— 5·1	276·1	283·0	23rd	263·5	252·4	20th	269·8	*269·7*	+1·3	2	— 5
2045	Rampart	65 30	150 15	122	..	..	..	..	..	..	..	..	..	..	..	..	3	— 4
2046	Valdez	61 7	146 16	8·2	..	1008·8	— 2·9	279·4	284·1	10th	271·3	266·3	11th	275·3	*274·9*	+1·2	60	— 22
2047	Eagle	64 46	141 12	254	..	1009·1	— 2·1	278·7	284·7	6th, 24th	265·2	253·0	18th	271·9	..	+1·1	10	— 2
2048	Dawson	64 4	139 20	328	968·3	1008·7	— 3·8	278·6	284·7	26th	266·3	257·4	18th	272·4	..	+1·0	19	+ 6
2111	Carcross	60 11	134 34	662	..	..	..	279·7	284·1	26th	267·9	264·1	sev. dates	273·8	..	+1·9	9	+ 1
2112	Fort Good Hope	66 25	128 53	65·2	1007·4	1016·0	..	270·8	284·7	26th	256·9	241·9	14th	263·8	..	..	10	— 13
2113	Fort Simpson	61 52	121 35	129	996·3	1012·6	..	278·6	285·8	25, 26, 27	268·0	258·6	22nd	273·3	..	+2·4	2	— 29
2113	Hay River	60 51	115 20	161	992·7	1012·9	..	278·6	291·3	26th	266·3	255·2	22nd	272·4	..	+4·4	0	..
2225	Jacobshavn	69 13	51 2	12·6	1016·0	1017·7	+ 3·7	261·8	270·7	29th	247·9	237·7	2nd, 3rd	254·9	*256·5*	—6·7	12	+ 1
2226	Godthaab	64 11	51 43	9 0	1010·8	1012·0	+ 3·0	..	‡276·6	21st	265·1	259·9	6th	..	*268·0*	—1·2	..	..
2227	Ivigtut	61 12	48 10	5·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2229	Angmagsalik	65 37	37 33	31·7	1009·5	1013·6	+ 4·1	271·0	278·0	28th	260·3	251·0	5th	265·7	*264·4*	—4·0	55	— 11
2231	Stykkisholm	65 5	22 46	11·3	1007·5	1008·9	— 1·1	275·7	282·5	28th	269·4	263·9	26th	272·5	*272·0*	—1·8	58	+ 20
2232	Vestmanno	63 26	20 15	7·7	1005·5	1006·5	— 3·3	279·3	282·1	21st	272·9	265·2	27th	276·1	*275·9*	—1·1	103	+ 4
2233	Grimsey	66 33	17 58	22	1006·8	1009·6	— 2·1	272·9	279·1	21st	267·8	261·4	26th	270·3	*270·4*	—1·5	..	..
2235	Berufjord	64 40	14 19	18·0	1004·8	1007·0	— 4·6	276·5	285·2	29th	269·6	262·6	26th	273·1	*273·3*	—1·1	56	— 27
2236	Thorshavn	62 3	6 45	26·3	1004·0	1007·2	— 3·5	279·4	282·3	21st	273·6	266·5	27th	276·5	*276·4*	—1·5	107	+ 12
2237	Lerwick	60 9	W 1 8	18·0	1006·6	1008·7	— 2·5	280·6	283·0	21st	275·3	271·3	27th	277·9	*278·3*	—0·3	90	+ 32
2238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1002·8	1008·3	— 5·3	279·8	284·2	15th	274·9	269·9	3rd	277·3	*277·2*	—1·4	203	+ 107
2239	Christiansund	63 7	7 45	17·8	1004·2	1006·4	— 6·8	..	284·2	15th	273·9	268·3	3rd	..	*276·5*	—1·1	139	+ 84
2240	Trondhjem	63 26	10 25	39·5	1001·5	1006·4	— 7·1	279·6	284·2	22nd	272·4	265·3	1st	276·0	*275·5*	—1·0	64	+ 7
2241	Bodö	67 17	14 24	22·4	1000·7	1003·5	— 8·8	..	280·8	17th	270·7	264·0	7th	..	*273·9*	—1·0	64	+ 17
2242a	Haparanda	65 50	24 9	9·2	1003·2	1004·4	— 9·1	275·1	281·5	18th	266·8	254·0	8th	270·9	*271·2*	+0·1	67	+ 44
2242a	Helsingfors	60 10	24 57	11·7	1006·2	1007·6	— 6·8	277·2	281·5	27th	271·3	262·1	6th	274·2	*274·4*	—0·3	49	+ 14
2242a	Kuopio	62 54	27 40	90·3	994·4	1005·6	— 8·7	277·2	283·5	17th	269·6	261·0	6th	273·4	*273·6*	—0·5	46	+ 16
2243	Kola	68 53	33 1	6·7	1004·4	1005·3	— 6·7	272·6	277·8	22nd	263·4	250·7	1st	268·0	*268·6*	—2·8	40	+ 26
2244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2245	Arkhangelsk	64 35	40 36	6·2	1006·2	1007·0	— 6·6	276·2	286·5	26th	268·7	257·8	7th	272·4	*272·4*	+0·6	35	+ 16
2246	Mezen	65 50	44 16	12·6	1005·5	1007·1	— 7·1	274·6	284·1	28th	265·9	254·3	2nd	270·3	*270·4*	0·0	22	+ 11
2248	Oust-Tsylma	65 25	52 14	? 70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2249	Tcherdyn	60 24	56 31	?177	989·8	1011·7	— 3·9	280·9	294·2	28th	270·7	256·3	1st	275·8	*275·8*	+2·1	29	+ 9
2250	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2251	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2252	Sourgout	61 15	73 24	? 40	1007·5	1012·6	— 5·2	..	294·3	30th	262·5	239·8	5th	..	*269·8*	+1·6	15	+ 2
2253	Doudinka	69 23	86 4	20	1003·6	1006·2	— 8·4	..	271·9	9th	252·8	239·8	1st, 5th	..	*257·8*	..	5	..
2254	Touroukhansk	65 47	87 57	45	1005·6	1011·5	— 4·0	..	273·7	21st, 22nd	255·9	238·4	5th	..	*263·0*	+0·2	35	+ 18
2263	Iakoutsk	62 1	129 43	108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2271	Verkhoïansk	67 33	133 23	100	998·3	1011·3	— 3·1	..	280·5	26th	252·5	238·1	7th	..	*264·5*	+5·3	6	+ 2
2272	Markovo-sur-Anadyr	64 45	170 50	25·9	1018·2	1021·7	+ 5·2	260·6	273·2	15th	248·6	235·6	12th	254·6	‡*256·5*	—1·6	3	0
	Novo-Mariinskii Post	64 45 N.	177 33 E.	22·7	1018·4	1021·4	+ 7·0	256·9	271·0	15th	249·5	240·8	11th	253·2	‡*254·8*	—3·7	3	— 2
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

APRIL—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	
302	St. Paul Island	57 15	170 10	6·1	..	..	..	..	..	..	..	..	..	..	..	..	15	
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1006·8	— 3·2	275·4	278·6	6th, 10th	270·9	267·4	12, 13, 15	273·2	..	—1·4	..	
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	275·9	280·2	18th	267·2	263·0	20th, 24th	271·6	..	..	..	
306	Kodiak (Radio)	57 47	152 22	6·1	..	1003·4	— 5·7	278·3	284·7	18th	273·1	270·8	15th	275·7	..	..	61	
309	Sitka	57 3	135 19	27·4	..	1010·8	— 2·6	282·5	286·3		274·8	271·3	15th	278·7	*278·6*	+0·6	100	
310	Prince Rupert	54 18	130 18	51·8	1004·4	1010·8	— 2·6	283·0	287·4	15th	276·9	273·0	14th	279·9	*279·8*	+0·2	176	
311	Barkerville	53 2	121 35	1274	867·8	1015·3	+ 0·7	280·2	288·0	2nd	269·7	263·6	26th	275·9	*274·7*	+0·5	72	
312	Kamloops	50 42	120 29	385	972·4	1018·2	+ 0·7	290·8	298·6	26th	276·3	268·6	12th, 15th	283·6	*283·8*	+0·8	12	
313	Calgary	51 2	114 2	1045	892·8	1012·8	— 1·1	288·0	299·1	27th	272·4	266·9	15th	280·2	*279·5*	+2·8	13	
314	Fort Chipewyan	58 42	111 10	218	986·8	1013·6	..	281·3	293·6	28th	269·1	256·3	7th	275·2	*276·1*	+4·1	15	
315	Prince Albert	53 10	105 38	442	961·7	1014·7	+ 0·5	286·3	296·3	27th	272·4	261·9	1st	279·4	*279·3*	+4·1	4	
316	Qu'Appelle	50 30	103 47	645	937·3	1013·8	— 0·8	284·7	295·8	28th	271·9	264·1	23rd	278·3	*277·9*	+2·4	42	
317	Minnedosa	50 15	99 50	515	953·8	1015·7	— 0·7	283·6	293·6	18th	271·3	261·3	24th	277·4	*277·1*	+1·3	60	
318	Berens River	52 18	97 23	216	..	..	..	279·4	286·9	22nd	269·2	258·6	24th	274·3	..	+2·5	15	
318*a*	Port Nelson	57 4	92 36	14·9	1019·3	1021·2	+ 4·2	273·6	283·6	29th	260·8	248·0	23rd	267·2	..	+2·5	6	
319	Fort Hope	51 33	87 49	‡260	987·7	1020·6	..	277·4	286·9	21st, 22nd	263·6	256·3	5th	270·5	*271·2*	—1·9	5	
320	Moose Factory	51 14	80 30	9·1	1016·9	1018·1	+ 0·5	277·4	293·0	30th	263·0	249·7	1st	270·2	..	—0·4	22	
321	Fort George	53 50	79 5	97·5	..	..	..	272·4	283·0	30th	262·2	252·4	1st	267·3	*267·2*	..	..	
322	Mistassini Post	50 15	73 55	383	..	..	..	276·1	284·7	23rd	265·1	246·3	4th	270·6	..	+0·5	57	
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	276·7	286·3	25th	269·4	261·3	9th, 10th	273·1	..	+0·9	74	
326	Belle Isle	51 53	55 23	133	997·6	1014·6	+ 2·8	273·2	280·8	24th	264·3	257·4	10th	268·8	*269·4*	—1·5	254	
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1017·5	1019·2	+ 6·1	283·8	288·6	20th	278·7	274·1	2nd	281·3	281·5	—0·6	51	
335	Aberdeen	57 10	W 2 6	26·8	1007·8	1011·1	— 1·4	283·4	293·0	18th	276·4	272·4	27th	279·9	280·0	+0·4	73	
336	Greenwich	51 28	0 0	46·3	1009·5	1015·2	+ 1·3	285·6	294·1	19th	276·3	270·2	3rd	280·9	280·4	—0·7	70	
337	Uccle	50 48	E 4 22	100	1001·4	1013·8	— 0·3	284·7	289·6	7th	275·3	270·0	29th	280·0	279·6	—1·7	88	
338	De Bilt	52 6	5 11	3·0	1013·0	1013·4	— 0·8	284·0	289·7	20th	275·3	268·5	3rd	279·7	279·3	—1·7	65	
338*a*	Hamburg	53 33	9 58	26·0	1009·0	1012·2	— 0·9	284·1	290·5	19th	276·6	271·0	2nd	280·3	*280·0*	—0·5	33	
339	Copenhagen	55 41	12 36	5·0	1009·6	1010·2	— 3·5	281·6	290·6	19th	276·3	270·5	4th	278·9	*279·0*	+0·3	53	
340	Potsdam	52 23	13 4	84·9	1002·0	1012·5	— 1·6	285·0	289·8	12th	275·1	269·7	2nd	280·1	279·4	—1·4	59	
340*a*	Upsala	59 51	17 38	24	1003·8	1006·8	— 7·0	280·3	292·2	19th	272·0	263·9	3rd	276·2	275·9	+0·1	22	
341	Warsaw	52 13	21 1	133	996·4	1012·6	— 1·7	284·9	292·5	8th	276·3	271·2	1st	280·6	280·6	0·0	44	
342	Dorpat (Jurjev)	58 23	26 43	74·5	1000·4	1009·7	— 4·2	280·3	290·0	17th	272·6	264·2	7th	276·5	276·2	—0·2	17	
343	Petrograd	59 56	30 16	4·8	1007·9	1008·5	— 5·8	279·1	289·4	17th	271·7	262·7	6th	275·4	275·3	+0·3	33	
344	Kiev	50 27	30 30	182	1000·9	1013·0	— 1·6	287·2	296·3	20th	278·6	272·1	1st	282·9	*282·4*	+2·5	23	
344*a*	Moscow	55 50	37 33	167	992·7	1013·4	— 3·1	281·3	289·4	26th	272·9	264·0	2nd	277·1	276·9	+0·6	24	
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
346	Kazan	55 47	49 8	79·9	1005·8	1015·7	— 1·2	284·1	298·5	25th	273·8	262·4	4th	279·0	*278·7*	+2·7	98	
347	Orenburg	51 45	55 6	109	1005·2	1018·7	+ 0·6	286·1	299·7	28th	274·2	259·9	6th	280·2	*280·5*	+4·1	15	
348	Perm	58 1	56 16	159	995·1	1014·8	— 1·5	..	296·5	28th	272·5	264·4	2nd	..	*277·1*	+2·5	19	
349	Ekaterinburg	56 50	60 38	281	981·4	1015·8	— 2·1	283·5	297·6	29th	272·2	261·9	2nd, 4th	277·8	*277·9*	+3·6	11	
350	Tobolsk	58 12	68 14	?108	1002·6	1016·1	— 3·2	281·7	300·4	29th	270·5	255·6	1st	276·1	*275·9*	+2·8	..	
351	Akmolinsk	51 12	71 23	?347	978·3	1020·8	— 1·5	283·6	299·9	30th	271·0	260·6	11th	277·3	*277·2*	+3·3	34	
352	Omsk	54 58	73 23	87·9	1007·0	1018·1	— 2·5	..	299·9	30th	269·6	257·0	2nd	..	*275·1*	+2·3	10	
353	Barnaoul	53 20	83 48	162	1000·4	1020·8	— 1·1	279·1	295·8	30th	267·9	260·1	5th	273·5	*273·8*	0·0	..	
354	Tomsk	56 30	84 58	122	1001·4	1016·9	— 3·3	..	293·3	30th	267·2	251·6	5th	..	*272·0*	+0·4	..	
355	Minousinsk	53 43	91 41	249	988·0	1019·0	— 2·3	..	294·6	30th	269·9	263·9	12th	..	*274·4*	..	18	
356	Eniseisk	58 27	92 10	77·6	1005·0	1015·0	— 3·6	..	280·9	30th	263·8	253·2	20th	..	*269·3*	—2·0	24	
357	Irkutsk	52 16	104 19	467	960·2	1017·7	— 1·9	..	289·3	23rd	267·0	257·3	21st	..	*272·5*	—1·6	17	
358	Kirensk	57 47	108 7	263	981·8	1014·8	— 2·1	274·3	279·3	25th	262·4	250·0	21st	268·4	*269·8*	—1·4	3	
359	Tchita	52 2	113 30	**	..	..	..	..	..	..	..	..	..	..	..	..	..	
360	Nertchinskii Zavod	51 19	119 37	626	936·2	1012·3	— 1·5	..	285·6	24th, 28th	263·3	256·0	3rd	..	*270·6*	—1·9	9	
361	Tygan Ourkan	54 5	124 46	379	963·9	1010·5	..	278·2	284·8	24th	264·9	253·4	2nd	271·6	*272·1*	..	36	
362	Blagoveshchensk (Bureau Météor)	50 16	127 30	142	991·5	1009·1	— 1·9	280·4	286·6	28th	269·8	260·9	2nd	275·1	*274·8*	0·0	47	
363	Paikanskii Sklad	50 11	130 7	145	990·0	1008·1	..	279·3	285·5	25th	267·5	257·7	2nd	273·4	*273·3*	..	18	
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1010·3	1013·0	+ 2·3	..	278·4	4th	266·9	254·9	1st	..	*270·9*	+1·0	25	
366	Okhotsk	59 21	143 12	6·0	1015·0	1015·8	+ 2·0	270·8	278·4	3rd	263·4	258·4	5th	267·1	*268·4*	+1·8	4	
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1012·7	1014·4	+ 6·7	275·8	279·6	15th	270·1	261·4	5th	272·9	*272·6*	..	95	
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
** Height changed from 687 m. to 681 m.

APRIL—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·8	1017·4	+ 0·1	286·3	292·4	23rd	278·6	275·8	8th	282·4	281·7	+1·0	74	+ 30
412	Portland, Oregon	45 32	122 41	46·6	1012·9	1018·3	+ 0·6	289·6	296·9	30th	280·1	274·1	8th	284·9	*284·8*	+1·1	91	+ 13
413	Macleod																	
414	Helena	49 44	113 24	953	..	..	..	287·7	298·6	28th	274·1	268·0	7th	280·9	*281·1*	+1·8	..	..
414*a*	Salt Lake City	46 34	112 4	1253	872·6	1014·9	+ 0·3	287·6	295·2	24th	275·4	268·6	9th	281·5	*281·4*	+2·0	0	— 28
415	Cheyenne	40 46	111 54	1329	865·9	1013·5	+ 0·6	289·7	301·3	23rd	278·6	272·4	7th	284·2	*283·9*	+0·8	64	+ 13
416	North Platte	41 8	104 48	1856	810·8	1013·9	+ 0·6	284·2	295·8	18th	272·6	264·1	8th	278·4	*278·4*	+0·1	31	— 13
416*a*	Bismarck	41 8	100 45	859	915·9	1015·6	+ 1·9	287·7	301·9	18th	275·6	268·6	10th	281·6	*281·4*	—1·0	56	+ 2
417	Winnipeg	46 47	100 38	511	955·4	1016·6	+ 1·1	284·9	297·4	18th	273·8	265·8	24th	279·3	*279·4*	+0·5	43	+ 1
418	Duluth	49 53	97 7	232	989·1	1017·5	+ 0·5	284·1	294·1	21st	272·4	262·4	24th	278·3	*278·1*	+2·1	28	— 10
419	Port Arthur	48 27	89 12	196	993·4	1017·8	+ 0·9	280·8	293·0	22nd	270·2	258·0	1st	275·5	*275·1*	+1·1	18	— 21
420	Chicago	41 53	87 37	251	985·7	1015·9	0·0	285·6	296·9	6th	278·2	270·8	1st	281·9	*281·9*	+0·9	80	+ 10
421	Toronto	43 40	79 24	116	1002·4	1016·8	+ 1·1	283·6	290·2	20th	274·1	260·8	1st	278·8	278·3	+0·6	73	+ 12
422	New York (Central Park)	40 46	73 58	30·2	1012·4	1016·1	+ 0·4	287·4	295·8	7th	278·6	267·4	1st	283·0	282·7	+0·2	73	— 13
423	St. John, N.B.	45 17	66 4	36·2	1009·8	1014·3	+ 1·0	279·7	284·7	24th	273·0	266·3	2nd	276·3	276·0	—0·6	111	+ 22
424	S.W. Point, Anticosti	49 24	63 33	9·1	1013·9	1015·1	+ 2·8	274·7	281·9	29th	270·2	265·2	9th, 10th	272·4	*272·9*	—0·2	94	+ 60
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1016·4	1017·3	+ 3·1	279·1	284·1	15th	274·7	270·8	9th	276·9	*276·6*	+0·8	121	+ 28
425	Port aux Basques	47 35	59 10	9·1	1013·9	1015·0	+ 1·5	277·4	286·9	23rd	272·4	265·2	9th	274·9	*274·5*	+1·3	91	— 3
426	St. John's, Newfoundland	47 34	52 42	38·1	1010·1	1014·9	+ 3·6	279·1	286·9	12th	271·9	266·9	10th	275·5	*275·1*	+0·6	192	+ 87
435	Madrid	40 24	3 41	655	939·8	1016·1	+ 1·0	292·2	300·0	21st	276·8	271·7	30th	284·5	283·7	—0·7	36	— 7
436	Nantes	47 15	W 1 34	36·5	1013·0	1017·5	+ 2·9	286·0	291·2	19th	277·5	273·1	29th	281·7	281·5	—2·2	62	+ 15
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1009·8	1016·0	+ 1·3	285·9	292·9	19th	276·0	270·6	1st	280·9	280·6	—2·3	66	+ 22
438	Marseilles	43 18	5 23	75	..	1011·7	— 1·0	290·3	298·2	20th	279·7	274·7	30th	285·0	*284·5*	—1·1	16	— 31
438*a*	Zürich	47 23	8 33	493	956·2	1015·5	+ 1·0	283·0	291·4	20th	274·9	270·0	23rd	279·0	278·3	—3·5	107	+ 16
439	Rome	41 54	12 27	45	1005·1	1010·4	— 2·5	290·8	298·2	5th	282·6	275·9	23rd	286·7	*286·6*	0·0	58	— 10
440	Vienna	48 15	16 22	203	987·6	1012·2	— 1·4	283·9	290·1	7th	277·5	272·5	23rd	280·7	280·5	—1·9	68	+ 18
440*a*	Buda-Pesth	47 31	19 2	130	995·5	1011·1	— 1·8	288·3	297·0	20th	279·1	274·7	23rd	283·7	*283·3*	—0·1	73	+ 15
441	Sofia	42 42	23 20	550	947·7	1012·3	— 0·9	289·4	296·5	3rd	278·7	273·6	23rd	284·1	*284·0*	+1·1	115	+ 61
442	Bucharest	44 25	26 5	82	1001·5	1011·4	— 2·9	292·2	298·8	16th	279·4	273·9	27th	285·8	285·4	+1·1	23	— 24
443	Odessa (University)	46 26	30 46	42·8	1007·5	1012·7	— 2·2	286·3	293·8	19th	279·8	274·2	1st	283·0	*282·7*	+1·4	19	— 6
444	Kharkov (University)	50 0	36 14	140	997·1	1014·1	— 2·3	287·5	297·7	19th	278·0	269·9	5th	282·8	*282·4*	+2·4	54	+ 19
445	Novorossiisk	44 44	37 49	37·1	1009·9	1014·4	— 0·8	289·0	296·0	19th	281·3	278·5	17th	285·2	*285·0*	+1·6	20	— 29
446	Tiflis	41 43	44 48	404	967·0	1014·4	— 1·8	291·8	298·9	3rd	282·3	277·6	1st, 2nd	287·0	*286·8*	+2·1	76	+ 21
447	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..		..	..		..	..	..	..	..
448	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..		..	..		..	..	..	..	..
	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..		..	..		..	..	..	..	..
449																		
450	Aralskoe More	46 47	61 42	56	1011·9	1018·7	— 0·8	291·6	?303·2	30th	279·5	270·9	10th	285·6	*285·8*	+6·5	0	..
451	Tachkent	41 20	69 18	478	959·1	1014·5	— 1·7	297·1	304·0	8th	284·0	276·3	12th	290·6	*289·8*	+2·8	18	— 38
452	Narynskoe	41 26	76 2	?2015	796·6	..	..	..	290·0	21st	273·4	265·8	5th	..	*278·4*	—0·8	20	..
	Vernyi	43 16	76 53	841	..	..	..	291·4	298·7	9th	279·3	271·0	12th	285·4	*285·3*	..	42	..
461	Mukden	41 48	123 23	43·8	1006·5	1011·9	— 2·6	287·6	295·5	28th	273·7	266·9	1st	280·7	280·7	—0·5	27	+ 1
462	Joshin	40 40	129 11	4·0	1010·8	1011·3	— 2·5	285·6	294·9	29th	275·2	267·7	4th	280·4	280·1	+0·3	28	+ 2
463	Yuki	42 20	130 24	65·6	1003·0	1011·2	..	282·9	290·0	28th	274·6	266·2	1st	278·7	278·5	..	41	..
464	Vladivostok	43 7	131 55	128	995·5	1011·4	— 3·0	279·9	285·8	28th	273·5	266·8	3rd	276·7	276·5	—1·0	91	+ 60
465	Ochiai	47 20	142 46	6·6	1009·4	1010·2	— 1·3	277·3	282·4	16th	269·7	262·9	2nd	273·5	273·6	+0·2	81	+ 31
466	Nemuro	43 20	145 35	26·7	1007·5	1010·8	— 2·9	279·1	286·7	23rd	272·3	268·8	5th	275·7	275·4	—0·5	71	— 2
466*a*	Syana	45 14	147 53	39·3	1005·4	1010·3	— 3·0	277·1	283·9	26th	270·5	264·8	5th	273·8	273·5	—0·8	101	+ 36
		° ′ N.	° ′ E.															

Between Latitude 40° N. and 30° N.

APRIL—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1012·1	1017·9	+ 0·3	290·0	294·1	15th	282·7	281·3	7th	286·3	*285·3*	+0·2	3	— 34
512	San Luis Obispo	35 18	120 39	61·3	1010·2	1017·6	+ 0·1	292·4	299·7	1st	281·0	276·9	25th	286·7	*285·1*	—0·6	2	— 34
513																		
514	San Diego	32 43	117 10	26·5	1012·4	1015·6	— 0·2	291·4	297·4	15th	284·8	282·4	8th	288·1	*287·8*	+0·2	8	— 9
515	Modena	37 48	113 54	1670	831·4	1011·8	— 0·5	291·2	298·6	22nd	273·8	268·6	15th	282·5	*282·3*	+1·5	7	— 16
516	Santa Fé	35 41	105 57	2138	785·2	1011·2	+ 0·4	287·7	296·3	22nd	276·1	268·6	9th	281·9	*281·8*	+0·1	49	+ 25
517	Denver	39 45	105 0	1613	835·0	1012·8	+ 0·5	288·9	300·2	18th	276·1	268·6	9th	282·5	*282·3*	+0·6	55	+ 2
518	Abilene	32 23	99 40	530	952·4	1013·2	+ 0·2	296·9	305·2	12th	284·1	274·7	10th	290·5	*290·2*	—0·8	70	+ 4
	Saint Louis	38 38	90 12	173	994·5	1015·2	— 0·1	292·3	300·8	22nd	282·0	273·0	1st	287·2	*286·8*	+0·4	45	— 45
519	Mobile	30 41	88 2	17·4	1015·9	1017·9	+ 1·1	296·6	304·7	24th	286·8	278·6	1st	291·7	*291·3*	—0·5	174	+ 51
520	Nashville	36 10	86 47	166	998·0	1017·9	+ 1·5	293·8	301·9	23rd	282·5	270·8	1st	288·1	*288·2*	+0·1	68	— 43
521	Charleston	32 47	79 56	14·6	1016·5	1018·3	+ 1·0	295·3	304·7	24th	286·7	276·3	1st	291·0	*291·2*	+0·5	19	— 55
522	Washington	38 54	77 3	34·1	1013·0	1017·3	+ 1·0	290·6	301·3	9th	279·6	268·6	2nd	285·1	*284·9*	+0·2	94	+ 13
530	Bermuda	32 17	64 46	46·0	1012·4	1017·9	+ 0·5	293·6	295·8	18th	287·4	284·7	3rd, 23rd	290·5	*290·3*	—1·4	118	+ 15
531	Santa Cruz (Flores)	39 27	31 9	28	1022·2	1025·3	+ 4·4	290·4	295·2	26th	285·7	282·0	13th	288·1	*288·1*	0·0	138	+ 29
532	Horta	38 32	28 38	65	1016·6	1024·0	+ 2·9	290·2	292·7	8th, 17th	286·4	284·4	5th	288·3	288·0	—0·5	30	— 45
532*a*	Ponta Delgada	37 44	25 40	22	1021·1	1023·0	+ 1·7	289·6	291·5	21st	285·9	284·0	2nd	287·8	287·7	—0·4	..	..
533	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	110	+ 30
534	Madeira (Funchal)	32 37	16 54	25	1018·4	1021·4	+ 2·7	291·5	297·0	12th	286·1	283·4	4th	288·8	*288·9*	—0·8	69	+ 21
535	Lisbon	38 43	9 9	95	1006·5	1018·0	+ 2·1	291·0	301·8	21st	283·6	276·3	5th	287·3	*286·9*	—0·2	64	— 5
536	Gibraltar	36 6	5 21	16·2	1015·9	1017·8	+ 1·1	291·4	294·1	11, 22, 25	284·5	280·8	30th	287·9	*287·9*	—1·2	31	— 37
536*a*	Melilla	35 18	2 59	8	‡1016·9	‡1017·9	— 0·2	293·7	296·6	13th	284·7	282·2	8th	289·2	*289·2*	—1·9	6	— 51
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

APRIL—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1011·8	1014·5	+ 0·5	291·2	296·2	20th	282·1	277·8	30th	286·7	..	—1·4	16	— 7
538	Algiers (Bouzaréah)	36 48	3 2	343	975·6	1015·9	+ 0·9	289·4	297·4	22nd	283·1	279·5	30th	286·2	285·7	—0·6	38	..
539	Tunis	36 48	10 10	21	1011·6	1014·1	..	292·4	303·4	3rd	281·6	278·0	25th	287·0	286·0	—1·6	19	— 38
539a	Malta	35 54	14 31	56·4	..	1011·3	— 2·8	291·8	302·0	5th	286·0	283·6	27th	288·9	288·1	—0·2	21	— 36
540	Riposto	37 41	15 14	14·2	..	1014·5	— 0·7	291·0	294·0	9th	284·9	282·5	25th	287·9	287·0	—1·2	18	— 27
541	Athens	37 58	23 43	107	999·7	1012·5	— 0·6	293·2	297·8	4th	285·1	281·6	26th, 27th	289·1	289·0	+1·2	8	..
542	Alexandria	31 12	29 53	32·0	1010·8	1014·6	+ 0·5	296·8	307·6	25th	287·6	286·2	sev. dates	292·2	291·5	+0·4	0	— 7
543	Cairo (Helwan)	29 52	31 20	116	1000·2	1013·9	+ 0·9	301·3	309·6	9th	287·1	283·6	11th, 15th	294·2	293·6	—0·2	0	— 7
544	Nicosia (P.W.D.)	35 9	33 22	159	..	1012·1	+ 0·1	297·3	301·9	26th	283·0	280·2	12th, 28th	290·1	..	+1·0	5	— 5
544a	Beirut	33 54	35 28	33·7	..	1013·4	+ 0·9	295·8	299·9	22nd	288·3	284·9	21st	292·0	291·6	+0·7	25	+ 8
545	Baghdad	33 21	44 28	38·1	..	1010·7	— 1·7	302·2	309·5	23rd	289·4	285·3	9th	295·8	293·1	+1·4	81	+ 46
546	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546a	Lenkoran	38 46	48 52	—20	1016·4	1014·0	— 1·9	..	..	..	284·0	278·2	10th	..	287·1	+2·1	68	— 38
547	Teheran	35 41	51 25	1220	..	..	..	296·5	302·2	29th	284·8	279·1	9th	290·7	291·0	+2·2	31	— 22
548	Meshed	36 16	59 35	946	..	..	..	..	..	..	..	..	..	..	..	..	..	..
549	Seistan	31 0	61 30	?	..	..	..	304·1	310·8	30th	288·3	282·3	12th	296·2	..	..	0	..
550	Quetta	30 11	67 3	1677	832·7	..	— 0·2	297·1	302·5	30th	280·7	277·3	1st	288·9	289·2	+0·4	20	— 25
551	Peshawar	34 2	71 37	339	972·0	1010·8	+ 0·1	303·7	308·0	9th, 30th	288·3	285·3	1st	296·0	295·8	+0·3	23	..
551a	Lahore	31 34	74 20	214	984·3	1008·6	+ 1·0	306·5	311·2	10th	291·5	286·7	1st	299·0	298·9	—1·2	11	— 7
552	Simla	31 7	77 8	2205	780·6	..	— 0·2	289·6	293·8	11th	282·2	277·1	1st	285·9	286·2	—1·7	80	— 46
552a	Leh	34 10	77 42	3503	666·7	..	+ 0·5	..	..	..	271·9	268·9	1st	..	‡277·8	..	2	— 38
559	Hankow	30 35	114 17	37·0	1009·4	1013·7	— 1·8	296·4	302·7	6th	288·1	283·9	23rd	292·3	291·9	+2·5	59	— 8
560	Tientsin	39 10	117 10	5·0	1011·8	1012·4	— 2·9	294·2	303·3	28th	280·8	272·8	2nd	287·5	287·4	+1·4	1	— 61
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1014·1	— 1·4	294·7	302·8	7th	283·7	279·9	18th	289·2	288·3	+1·8	47	— 8
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1006·3	1014·6	— 0·5	287·8	293·0	30th	278·4	271·0	1st	283·1	282·2	—0·3	52	— 3
562a	Nagasaki	32 44	129 52	133	999·0	1014·9	— 0·5	292·1	295·7	28th	283·2	279·7	12th	287·7	287·3	+0·1	108	— 3
563	Kioto	35 1	135 44	42·9	1009·6	1014·8	— 0·5	293·7	299·7	29th	278·6	272·0	1st	286·1	285·7	+0·5	54	— 8
564	Tokio	35 41	139 45	21·3	1010·7	1013·3	— 2·1	291·6	295·5	26th	281·2	273·6	1st	286·4	286·4	+0·8	42	— 20
565	Kanayama	37 53	140 46	24·6	1010·2	1013·2	— 2·2	288·4	297·1	26th	277·0	271·5	1st	282·7	282·6	+0·1	37	— 25
566	Miyako	39 38	141 59	30·4	1008·3	1012·0	— 3·0	288·3	297·7	26th	275·5	269·2	2nd, 4th	281·9	281·5	+0·3		
		N.	E.															

APRIL—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1017 6	— 2·7	296·7	299·7	20th	289·4	283·0	7th	293·1	..	..	86	..
605	Honolulu	21 19	157 52	11·6	1017·1	1018·4	+ 0·3	299·1	300·2	..	293·8	292·4	..	296·4	296·2	+0·7	10	— 80
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	857·8	1010·6	..	298·9	303·0	19th	283·7	275·7	10th	291·3	291·1	..	0	— 1
616	Leon	21 7	101 41	1809	820·7	1009·2	— 0·1	301·1	304·4	28th	284·1	279·8	7th	292·6	291·4	—2·7	16	— 18
616a	Monterry	25 40	100 18	528	952·0	1011·2	..	301·8	307·3	6th	289·6	285·2	19th	295·7	294·5	..	18	— 16
617	Tulancingo	20 5	98 22	2180	..	..	..	..	301·0	..	..	276·0	..	..	288·0	—2·6	38	— 27
618	Galveston	29 18	94 50	16·5	1014·9	1016·9	+ 1·6	295·5	299·1	30th	291·0	284·7	10th	293·2	293·3	—0·1	55	— 21
618a	New Orleans	29 57	90 4	16·2	..	1017·3	+ 1·2	297·3	303·0	25th	288·8	281·9	1st	293·1	292·6	—0·3	200	— 37
619	Merida, Yuc.	20 58	89 38	22	1011·6	1014·0	..	304·4	308·8	9th	294·4	290·6	1st	299·4	298·8	..	28	— 43
620	Havana	23 8	82 21	24·3	..	1016·8	+ 0·8	300·2	303·3	16th	293·1	289·8	1st	296·7	296·8	—0·2	115	— 3
620a	Key West	24 33	81 48	6·7	1016·0	1016·6	+ 0·1	300·1	303·0	16th	294·2	290·2	3rd	297·2	296·7	—0·5	79	— 3
621	Nassau, Bahamas	25 5	77 21	3·7	..	1019·4	+ 2·6	298·7	301·3	13th, 17th	294·0	291·9	2nd	296·3	296·2	—0·6	40	— 3
622	Watling Island	24 6	74 26	33·5	1014·0	1017·9	+ 1·3	..	300·8	6th	..	292·4	23rd	..	296·8	..	..	..
633	Izaña	28 19	16 30	2367	767·1	..	..	282·6	292·6	18th	274·2	267·0	4th	278·4	278·0	..	31	— 3
634	La Laguna	28 28	W16 20	547	952·5	1016·1	+ 0·1	291·7	299·3	12th	283·1	279·4	12th	287·4	286·8	—0·1	22	— 3
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	287·2	282·1	14th	..	299·1	..	0	— 3
641	Siwa	29 12	25 29	—23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	999·5	1010·9	— 0·2	309·0	316·5	26th	292·2	287·8	4th	300·6	299·9	+1·2	..	..
644	Tor	28 14	33 37	1·9	1010·8	1011·0	0·0	300·2	310·0	26th	291·0	286·8	12th	295·6	295·2	+0·8	..	..
647	Bushire	28 59	50 53	4·3	1009·9	1010·4	— 1·2	301·3	309·2	29th	293·6	288·2	8th	297·4	296·7	+1·1	26	— 8
648	Jask	25 44	57 47	4·0	1009·1	1009·5	— 0·9	303·7	306·0	26th	295·2	293·0	14th	299·4	298·7	—0·1	0	— 3
649	Robat	29 45	60 55	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
649a	Karachi	24 53	66 57	4·0	1009·8	1010·2	+ 1·1	301·3	303·0	21, 22, 26	296·2	294·0	15th	298·8	298·1	—0·7	1	— 3
650	Jacobabad	28 17	68 29	56·7	1001·6	1007·9	+ 0·5	311·2	317·2	30th	295·1	290·6	1st	303·1	302·6	+0·9	58	— 3
651	Jaipur	26 56	75 52	436	961·1	?1009·1	+ 0·9	309·5	316·4	30th	293·7	288·7	25th	301·6	301·6	—1·6	4	— 3
652	Nagpur	21 8	79 5	310	974·9	1009·0	+ 1·1	312·1	315·1	20th	296·1	291·2	5th	304·1	303·9	—1·4	2	— 3
653	Allahabad	25 25	81 51	94·1	998·5	1009·0	+ 1·8	311·2	315·3	30th	295·5	291·7	26th	303·3	303·0	—0·6	4	— 3
653a	Darjiling	27 3	88 18	2266	775·8	..	+ 0·1	290·6	294·6	15th	281·9	278·7	6th, 9th	286·2	286·5	+0·2	163	— 3
654	Calcutta	22 36	88 23	6·4	1008·2	1009·0	+ 0·8	308·7	312·4	14th	297·1	292·2	9th	302·9	302·4	0·0	102	— 3
655	Gauhati	26 8	91 41	59·7	1003·9	1010·8	+ 1·0	303·9	309·0	3rd	292·0	287·5	3rd	297·9	296·8	—0·1	159	— 3
655m	Cherrapunji	25 15	91 42	1314	868·2	..	+ 0·4	295·0	298·4	5th	287·1	282·9	22nd	291·0	290·3	—0·1	329	— 3
655a	Akyab	20 11	92 56	6·1	1009·8	1010·4	+ 0·1	305·6	308·6	26th	296·1	291·4	9th	300·8	300·5	—0·9	65	— 3
656	Mandalay	21 59	96 0	76·2	1001·1	1009·7	+ 0·6	313·1	316·3	18th	298·4	293·8	10th	305·7	305·2	+0·5	7	— 3
656a	Tengyueh	24 59	98 35	1633	833·0	..	..	296·1	299·1	30th	282·1	279·1	1st	289·1	288·6	..	61	— 3
657	Phu Lien	20 48	106 37	116	996·4	1009·8	— 1·0	301·2	307·0	22nd	294·3	286·9	1st	297·8	297·1	+1·7	50	— 3
658	Moncay	21 31	107 51	9·0	1009·3	1010·3	— 0·6	300·0	304·2	22, 29, 30	293·1	285·3	1st	296·6	296·8	+0·8	39	— 3
659	Hong Kong	22 18	114 10	33·2	..	1011·9	— 0·8	298·1	302·9	29th, 30th	293·7	286·8	1st	295·9	295·5	+1·2	113	— 3
660	Amoy	24 27	118 4	ca.3	1013·4	1013·8	— 1·2	295·2	301·3	30th	290·6	286·3	1st	292·9	292·7	+0·5	223	— 3
661	Taihoku, Formosa	25 2	121 31	9·3	1012·2	1013·3	— 0·7	298·1	306·1	22nd	290·5	286·4	1st	294·3	293·9	+0·1	265	— 3
661a	Basco (Santo Domingo)	20 28	121 59	18·7	..	1010·3	— 0·6	303·4	305·8	28th	296·3	293·2	1st	299·9	299·5	+0·4	33	— 3
662	Naha	26 13	127 41	10·5	1012·7	1013·9	— 0·5	297·8	302·6	29th	290·3	285·5	12th	294·1	294·1	+0·2	130	— 3
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1014·5	1015·0	— 0·9	296·3	300·9	24th	290·6	285·6	8th	293·5	293·3	—0·3	168	— 3
		N.	E.															

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

APRIL—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	509	955·6	1010·6	..	303·5	305·6	3rd	293·8	290·2	3rd	298·6	299·1	..	1	..
716	Morelia	19 42	101 7	1923	808·9	1006·8	..	295·3	298·0	28th	287·8	280·5	7th	291·5	291·1	..	15	— 38
717	Mexico, Tacubaya	19 24	99 12	2309	774·5	1011·9	— 0·1	299·0	303·8	13th, 14th	280·9	277·9	3rd	290·0	288·7	— 1·0	14	— 5
718	Salina Cruz	16 12	95 12	56	1005·3	1011·8	..	303·4	306·8	4th	297·2	294·6	20th	300·3	299·9	..	0	..
719	San Salvador	13 42	89 13	‡665	935·3	1009·2	— 1·3	307·9	311·6	12th	290·6	287·4	1st	299·3	297·4	— 0·2	56	+ 17
720	Belize	17 29	88 12	5·2	1013·5	1014·2	+ 1·1	302·2	304·1	10th, 11th	295·5	291·3	17th	298·8	298·3	— 1·1	184	+117
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·9	— 0·8	303·3	305·5	3rd	295·1	293·1	3rd	299·2	299·2	+ 0·8	25	— 52
722	Port au Prince	18 34	72 22	37·4	1009·8	1014·1	— 0·4	304·0	307·2	18th	295·4	293·6	1st	299·7	299·0	— 0·1	100	— 65
724	Caracas	10 30	66 55	1042	899·1	1014·7	+ 0·6	299·7	304·5	9th	289·1	286·1	4th	294·4	292·8	— 0·5	113	+ 71
724a	Montserrat	16 41	62 9	39·6	1009·3	1013·8	— 1·2	305·3	307·4	2, 10, 20	295·8	293·6	7th, 23rd	300·6	300·0	..	126	..
725	Grenada (Richmond Hill)	12 5	61 46	155	994·0	1011·8	— 0·8	303·1	304·7	8, 12, 29	297·2	295·8	20th, 22nd	300·1	299·7	+ 1·1	22	— 38
725	Barbados	13 8	59 36	55·2	..	1013·2	— 0·9	304·1	304·8	11th, 29th	296·0	293·8	21st	300·1	299·9	+ 1·7	17	— 22
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·7	1015·0	+ 0·5	297·2	299·4	3rd	292·6	290·8	10th	294·9	295·7	0·0	0	— 0
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·8	1014·4	+ 0·1	300·0	302·2	13th, 14th	295·1	292·6	1st	297·6	297·3	+ 1·3	0	— 1
733	Bathurst	13 27	16 36	1·8	1013·5	1013·7	+ 0·2	304·9	310·8	8th, 25th	..	..	..	..	299·2	+ 0·6	0	— 1
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	314·6	316·3	18th, 19th	294·8	293·0	4th	304·7	..	+ 0·4	0	0
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	312·7	315·8	10th	301·2	297·4	1st	306·9	306·5	+ 1·0	4	0
738	Kaduna Capital	10 32	7 25	637	943·3	1013·9	+ 0·9	307·3	310·2	7, 8, 9	295·4	290·8	30th	301·3	300·8	+ 0·8	51	— 33
740	Dadeija	12 40	10 5	?	..	..	..	315·8	318·0	11th, 28th	296·9	291·3	9th	306·3	305·9	+ 1·2	0	..
741	Maiduguri	11 47	13 11	361	..	..	..	317·2	319·7	29th	296·9	290·8	9th, 11th	307·1	306·7	+ 0·8	0	— 10
743	El Fasher	13 32	25 18	730	..	..	..	311·4	315·0	25th, 29th	290·4	284·0	6th	300·9	..	..	0	..
743a	El Obeid	13 11	30 14	569	..	..	..	310·7	315·6	28th	291·3	284·7	7th	301·0	302·4	+ 1·0	3	+ 2
744	Khartoum	15 37	32 33	390	964·4	1007·6	+ 0·9	311·6	316·7	27th	294·7	288·8	7th	303·1	303·6	— 0·5	0	0
745	Fort Sudan	19 37	37 13	5·5	1009·8	1010·4	+ 0·6	305·2	308·5	25th	294·2	290·5	8th	299·7	299·6	+ 0·4	0	— 1
746	Berbera, Somaliland	10 22	45 2	9·5	1009·5	1010·6	— 0·9	304·6	307·4	30th	297·9	292·4	2nd, 4th	301·3	301·3	+ 0·6	13	+ 2
747	Aden	12 45	45 3	28·7	1007·8	1011·0	— 0·5	303·8	305·8	18th	299·0	295·7	2nd	301·4	300·4	— 0·1	0	— 5
751	Bombay	18 54	72 49	11·3	1010·0	1011·4	+ 0·7	304·7	306·1	28th	297·9	296·6	5th	301·3	300·7	— 0·1	0	— 1
751a	Cochin	10 58	76 21	2·7	1010·6	1010·9	+ 0·6	306·7	307·5	20th	299·8	295·8	26th	303·2	302·6	+ 0·8	44	— 82
752	Kodaikanal	10 14	77 28	2343	772·2	..	+ 0·5	294·7	297·3	7th	285·2	283·2	6th	289·9	289·9	+ 0·5	124	+ 9
753	Bangalore	12 59	77 38	920	910·8	1009·5	+ 0·5	308·4	309·8	11th	294·6	292·1	20th	301·5	300·8	+ 1·2	11	— 23
754	Madras	13 4	80 14	6·7	1009·6	1010·3	+ 0·3	307·2	309·8	24th	298·9	296·1	5th	303·1	302·6	+ 0·6	0	— 15
755	Vizagapatam	17 42	83 19	11·6	1008·6	1009·8	+ 0·4	305·5	307·4	29th	299·9	297·6	16th	302·7	302·1	+ 0·1	9	— 12
756	Port Blair	11 40	92 40	17·7	1009·0	1011·0	+ 0·3	306·3	308·1	28th	299·2	297·8	2nd	302·7	302·1	— 0·1	36	— 34
757	Rangoon	16 46	95 48	5·5	1010·4	1011·1	+ 0·5	308·2	309·8	25th	299·0	297·6	7th	303·6	303·0	+ 0·9	21	— 36
758	Saigon	10 47	106 42	11·2	1008·2	1009·4	+ 0·4	308·2	309·8	25th	299·0	297·6	7th	303·6	303·0	+ 0·9	21	— 36
759	Phatrang	12 15	109 12	3·6	1009·6	1010·0	0·0	305·1	307·7	21st	296·8	295·3	1st	301·0	300·5	+ 0·3	0	— 27
760	Bolinao	16 24	119 53	7·1	..	1008·2	— 0·8	306·7	309·2	10th	298·0	295·8	1st	302·3	301·5	— 0·2	56	+ 29
761	Vigan	16 24	119 53	7·1	..	1008·2	— 0·8	306·8	308·7	19th	298·1	296·1	4th	302·5	302·1	+ 0·9	0	— 21
762	Manila	17 34	120 23	12·2	..	1009·8	+ 0·8	306·8	308·7	16th	296·0	292·8	17th	302·5	302·0	+ 0·9	1	— 33
765	Ormoc	14 35	120 59	14·2	..	1010·1	0·0	309·1	310·7	16th	296·0	292·8	17th	302·5	302·0	+ 0·9	1	— 33
765	Guam, Ladrone Is.	11 0	124 36	5·6	..	1009·5	+ 0·7	306·6	308·1	21st	294·5	292·1	5th	300·5	299·9	+ 0·6	41	— 37
		13 24	144 38	20·4	..	1010·4	+ 0·8	304·6	305·4	28th, 29th	297·3	295·6	18th	300·9	300·6	+ 0·4	3	— 43
		N.	E.															

Between Latitude 10° N. and 0°.

APRIL—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
825	Fanning Island	3 55	159 23	3·1	..	..	..	304·0	305·8	8th, 9th	297·9	295·2	29th	301·0	300·6	+0·9	303	—131
841	Colon	9 23	79 23	11·0	..	1010·7	— 0·4	301·4	303·0	18th	298·0	295·8	26th	299·7	299·4	—0·1	278	+171
842	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	129	15
843	Merida, Venez.	8 36	71 9	1641	‡841·2	..	..	297·8	301·7	27th	289·4	287·5	30th	293·6	292·4	..	287	..
844	El Peru, Guayanavieja	7 19	61 49	220	985·2	1010·4	— 0·5	..	..	..	..	..	..	..	‡297·4	+1·1	172	+ 94
845	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1012·8	0·0	302·1	303·3	21st	297·5	295·2	13th	299·8	299·7	+0·1	273	+103
846	Paramaribo	5 49	55 9	3·7	1012·9	1013·3	+ 0·4	302·8	304·7	22nd	296·5	295·6	21st	299·7	298·6	—0·3	197	— 53
847	Cayenne	4 56	52 21	6	..	..	..	302·0	303·0	6, 7, 16	295·2	292·6	1st	298·6	299·1	—1·0	427	— 54
853	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
854	Freetown, Sierra Leone	8 29	13 9	68·3	1004·9	1012·8	+ 1·8	304·6	306·3	18, 19, 20	..	..	..	..	‡300·7	—1·1	113	+ 8
855	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	123	+ 38
857	Accra	5 33	W 0 12	25·7	..	..	..	304·1	..	..	..	..	..	..	..	..	122	+ 28
858	Lagos	6 27	E 3 24	4·6	1011·2	1011·7	..	304·2	310·5	..	298·8	295·2	..	301·5	301·1	+0·6	101	— 48
859a	Zungeru	9 48	6 10	130	..	..	..	309·8	313·6	7th, 9th	298·3	293·6	14th	304·1	303·5	+0·5	91	+ 33
860	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
861	Yola	9 12	12 30	259	..	..	..	312·0	314·1	3, 9, 10	..	..	..	..	‡304·4	+1·3	28	— 25
862	Wau	7 42	28 3	440	959·1	1007·9	+ 0·9	310·6	313·0	9, 10, 20	296·0	289·5	8th	303·3	302·1	+0·4	84	+ 31
863	Malakal (Kodok)	9 35	31 37	394	963·9	1007·6	+ 1·3	312·2	315·1	11th	295·7	290·6	7th	303·9	303·0	..	7	— 20
864	Mongalla	5 11	31 47	439	959·4	1008·3	+ 1·2	309·7	313·0	10th, 11th	..	..	..	..	‡300·5	..	110	+ 4
865	Entebbe	0 5	32 29	1171	884·5	..	+ 1·1	299·1	300·8	16th	290·7	287·4	25th	294·9	294·8	+0·4	123	—126
867	Harrar	9 42

APRIL—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	*a.*	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	*300·7*	—0·2	485	+396
924	Manaos	3 8	60 1	43·8	..	..	..											
926	Taperinha	2 30	54 20	20·0	1008·5	1010·8	— 0·6	304·2	307·6	9th	297·1	295·6	1st	300·6	*299·7*	0·0	166	— 5
927	Turyassu	1 43	45 26	15·1	1008·6	1010·4	+ 0·5	302·3	303·2	5th, 13th	296·1	295·2	22nd, 25th	299·2	*298·3*	+0·5	235	— 58
928	Barra do Corda	5 30	45 16	81·0	1000·1	1009·4	— 1·2	306·0	307·3	10th	296·0	294·3	6th	301·0	*299·7*	+1·3	138	— 85
929	Quixeramobim	5 16	39 15	207	987·8	1011·0	— 0·1	304·7	306·8	9th	294·6	293·1	12th	299·6	*298·8*	+0·7	18	— 205
930	Fernando Noronha	3 50	W32 25	106	1000·1	1012·2	+ 0·7	307·1	308·0	28th	298·8	296·5	21st	303·0	*302·1*	+2·2	14	— 205
939	Loanda	8 49	E 13 13	59·3	..	1011·4	+ 0·8	301·5	302·4	sev. dates	297·2	295·2	19th	299·4	*299·2*	..	205	— 183
940	Brazzaville	4 17	15 16	320	975·4	1011·5	+ 0·6	299·4	301·2	8th	296·2	295·0	26th	297·8	297·6	—1·2	2	— 183
943	Masaka	0 21	31 47	?1280	..	..	..	306·4	309·2	30th	295·2	292·5	4th	300·8	*300·1*	+1·0	97	— 83
944	Nairobi	1 14	36 44	1800	..	..	..	299·3	300·8	15th	289·1	288·0	23rd	294·2	*292·7*	0·0	128	— 83
944*a*	Zanzibar	6 10	39 11	21·9	..	..	..	296·3	299·1	16th	286·3	281·9	14th	291·3	*290·6*	—0·1	201	— 83
945	Lamu	2 16	40 50	3·1	1011·4	1013·7	+ 0·1	302·9	305·0	10th	298·9	296·6	23rd	300·9	*300·2*	+0·8	225	— 83
947	Seychelles, Port Office	4 37	55 27	4·6	..	..	..	305·8	306·3	1st, 30th	298·0	295·8	1st	301·9	*301·4*	+1·0	134	— 83
957	Padang	0 56	100 22	6·7	1010·2	1010·8	+ 0·1	303·3	304·7	..	299·9	298·2	..	301·6	*300·9*	+1·6	160	— 83
958	Batavia	6 11	106 50	8·0	..	..	..	..	..	..	..	..	..	..	..	..	249	— 83
958*a*	Pontianak	0 1	109 20	2·6	1008·6	1009·5	+ 0·1	303·7	305·5	14th	297·1	295·9	21st	300·4	299·7	+0·3	124	— 83
959	Passeroean	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	117	— 83
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	272	— 83
962	Ambon	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	389	— 83
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	326	— 83
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	242	— 83
966	Port Moresby	9 29	147 9	39·0	..	1009·9	0·0	303·9	..	..	..	..	..	..	‡*300·0*	—0·7	233	— 83
967					..	1010·7	+ 0·8	303·3	..	..	296·8	..	..	300·0	*299·5*	—0·7	128	— 83
968	Rendova	8 30	157 12	1·8	1010·0	1010·1	+ 1·3	..	..	..	..	..	..	..	..	..	345	— 83
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	?1009·9	?1010·1	+ 1·2	?304·7	..	..	?297·7	..	..	?301·2	?*300·9*	+0·5	273	— 83
970	Ocean Island	0 52	169 35	20·0	1005·7	1008·1	0·0	304·6	306·3	8, 26, 30	297·2	296·3	8th, 18th	300·9	*300·2*	—0·1	450	— 83
		S.	E.															

APRIL—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	*a.*	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·3	+ 0·4	303·6	305·0	30th	296·6	295·5	17th	300·1	299·9	+ 0·9	208	— 27
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	304·1	306·3	18th	..	..	..	..	..	..	145	— 27
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·5	..	+ 0·2	293·3	296·9	12th	283·2	281·1	30th	288·3	*287·6*	+ 0·8	0	— 27
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	728·9	..	..	291·4	297·4	13th	281·2	278·0	2nd, 17th	286·3	*286·2*	..	7	— 27
1025	Corumba	18 59	57 39	116	997·1	1010·4	— 0·1	307·2	308·8	10th	295·0	292·2	3rd	301·1	*299·8*	+ 0·7	25	— 27
1026	Cuyaba	15 36	56 6	165	990·9	1009·7	— 0·4	303·9	305·6	25th	297·8	296·6	2nd	300·8	*300·7*	+ 0·9	124	— 27
1027	Bello Horizonte	19 55	43 57	857	919·6	1015·3	+ 1·0	298·6	301·4	12th	289·6	287·2	30th	294·1	*293·6*	+ 0·3	85	— 27
1028	Caetite	14 3	42 37	900	916·1	1015·1	+ 1·2	298·0	301·0	3rd, 4th	290·9	289·2	29th	294·4	*294·8*	— 0·5	77	— 27
1029	Ondina (Bahia)	13 0	38 31	46·6	1007·7	1013·1	0·0	301·6	302·8	3rd	296·2	295·0	18th	298·9	*298·6*	0·0	134	— 27
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	945·9	1017·1	+ 0·7	297·1	300·2	8th, 14th	288·6	286·8	11th	292·9	*292·5*	+ 1·1	82	— 27
1042	Gwelo	19 28	E 29 48	1417	863·1	..	+ 0·2	301·3	303·6	10th	282·9	278·6	27th 28th	292·1	..	+ 0·7	2	— 27
1043	Salisbury, Rhodesia	17 48	31 5	1457	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1044	Zomba	15 23	35 18	996	858·1	..	— 0·3	300·9	303·6	3rd	284·7	281·3	29th	292·8	*291·6*	+ 1·0	29	— 27
1045	Tananarive	18 55	47 32	1400	908·2	1018·9	— 0·5	300·9	303·6	24th	289·8	286·9	30th	295·3	*294·9*	+ 1·6	43	— 27
1046	Sainte-Marie	17 0	49 51	15	865·9	..	+ 1·3	296·1	299·0	6th	287·6	285·2	19th	291·8	*290·7*	— 0·7	10	— 27
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·3	1011·9	+ 0·9	302·2	304·1	19th	298·1	296·3	18th	300·1	*299·7*	— 0·3	287	— 27
1056																		
1057	Christmas Island	10 25	105 43	5·5	1007·7	1008·3	+ 0·1	304·8	305·8	..	297·6	296·3	..	301·2	*300·4*	+ 0·5	236	— 27
1058																		
1061	Koepang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	335	— 27
1061*a*	Derby	17 18	123 40	16·2	1010·3	1012·2	+ 0·9	306·2	309·7	1st	296·2	291·9	12th	301·2	..	— 0·5	54	— 27
1062	Hall's Creek	18 13	127 46	374	970·8	1012·5	+ 0·2	307·0	310·7	6th	294·6	289·7	16, 23, 24	300·8	*300·3*	+ 2·2	3	— 27
1063	Darwin	12 28	130 51	29·6	1006·2	1009·6	+ 0·5	305·8	308·0	4th	297·9	295·5	9th	301·9	*300·7*	— 0·1	161	— 27
1064	Daly Waters	16 16	133 23	211	985·9	1009·4	— 1·1	307·7	309·7	5th	295·6	292·4	27th, 28th	301·6	*301·1*	+ 1·7	60	— 27
1065	Mein	13 13	142 47	122	990·4	1010·1	+ 1·0	303·6	306·1	25th	294·4	289·7	22nd, 23rd	299·0	..	— 0·2	14	— 27
1066	Georgetown, Queensland	18 22	143 32	302	979·8	1013·5	+ 1·6	305·9	307·7	25th	293·6	289·7	13th	299·7	..	+ 0·9	0	— 27
1067	Samarai	10 37	150 40	15·2	..	1009·2	— 0·4	303·9	..	..	297·9	..	..	300·9	*300·6*	+ 1·2	225	— 27
1072	Suva, Fiji	18 8	178 26	16·8	..	1012·4	+ 0·4	301·9	304·2	21st	295·8	293·6	27th	298·8	*298·5*	— 0·1	680	— 27
		S.	E.															

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

APRIL—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	*a.*	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	89	—107
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·6	1014·8	— 0·7	292·1	297·1	24th	286·9	283·4	22nd	289·5	*289·3*	+1·7	3	+ 3
1123	Iquique	20 12	70 11	9	..	..	..	..	..	..	287·6	284·5	24th	..	*293·2*	+1·7	0	0
1124	Catamarca	28 27	65 47	510	949·4	1007·1	— 4·2	301·0	307·6	5th, 10th	287·0	278·1	23rd	294·0	293·6	+0·7	7	— 11
1125	Salta	24 46	65 28	1178	880·9	1009·6	— 2·6	296·7	302·9	13th	286·6	278·3	25th	291·7	291·8	+1·8	5	— 26
1126	Goya	29 9	59 15	26	1008·1	1011·1	— 2·9	301·1	307·5	13th	290·7	282·0	23rd	295·9	295·6	+2·9	105	— 10
1127	Asuncion	25 21	57 37	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1139	Rio de Janeiro	22 54	W43 10	61·4	1007·8	1015·0	— 0·2	299·4	305·0	22nd	294·0	291·8	4th	296·7	296·4	0·0	61	— 47
1140	Windhoek	22 35	E17 5	1680	..	..	..	299·4	302·0	2nd	288·0	283·4	29th	293·7	*293·7*	+1·7	6	— 34
1141	Kimberley	28 42	24 47	1202	884·5	..	+ 0·2	299·5	304·7	3rd	285·6	278·8	22nd	292·6	291·9	+2·0	29	— 7
1142	Johannesburg	26 11	28 4	1806	825·9	..	+ 0·7	295·6	300·8	1st	283·8	277·5	22nd	289·7	*289·4*	+1·4	44	— 8
1142*a*	Pretoria (Brooklyn)	25 46	28 13	1400	864·9	..	+ 0·9	298·6	301·3	20th	284·5	279·1	23rd	291·6	*291·3*	+1·7	12	..
1143	Bulawayo	20 9	28 35	1340	869·8	..	— 0·1	299·6	303·0	..	285·4	281·8	..	292·5	*291·8*	+0·6	20	+ 4
1144	Durban	29 52	31 3	15·2	1017·5	1019·3	+ 0·1	299·7	302·6	27th	292·6	288·6	23rd	296·1	*295·5*	+1·5	296	+212
1145	Lorenzo Marques	25 58	32 36	59	..	1016·5	— 0·3	301·8	305·2	2nd, 7th	293·0	290·4	26th	297·4	296·7	+0·7	129	+ 91
1147	Mauritius	20 6	57 33	55·2	1008·5	1014·9	+ 0·9	300·4	302·3	6th	294·7	290·0	16th	297·5	297·3	+0·2	75	— 39
1159	Onslow	21 43	114 57	4·3	1011·0	1011·9	0·0	307·3	312·2	5th	292·1	285·7	18th	299·7	..	0·0	0	— 23
1160	Peak Hill	25 38	118 47	588	947·1	1012·0	— 1·3	302·6	308·6	2nd	289·2	281·4	18th	295·9	..	—0·5	7	— 24
1161	Nullagine	21 53	120 5	386	970·7	1013·3	+ 0·5	305·9	311·9	4th, 5th	291·1	287·4	12th, 14th	298·5	..	+0·3	31	+ 9
1162	Laverton	28 40	122 23	466	963·8	1016·1	— 1·4	301·2	309·5	3rd	287·1	282·4	19th, 20th	294·1	*294·1*	+0·4	21	— 5
1163	Alice Springs	23 38	133 37	587	949·6	1014·9	+ 0·4	301·6	310·2	5th	287·8	282·4	17th	294·7	*294·9*	+1·6	3	— 17
1164	William Creek	28 55	136 21	76·2	1009·6	1018·4	+ 0·1	300·9	311·9	4th	288·2	282·2	9th	294·6	*294·3*	+2·0	16	+ 6
1165	Thargomindah	27 58	143 43	123	1003·0	1017·0	+ 0·8	303·3	311·4	6th	291·4	284·8	14th	297·4	*297·3*	+2·6	0	— 21
1166	Mitchell	26 32	147 52	336	980·3	1017·9	..	300·7	306·3	5th, 6th	286·0	278·6	14th	293·3	..	+1·0	19	— 18
1167	Rockhampton	23 24	150 30	11·3	1015·9	1017·2	+ 1·7	302·1	305·6	12th, 13th	291·8	287·1	14th	296·9	..	+0·2	125	+ 65
1168	Brisbane	27 28	153 2	41·7	1015·7	1020·5	+ 2·9	298·4	302·1	8th	290·0	286·8	13th	294·2	*293·5*	—0·1	51	— 40
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 4	167 59	15·2	1017·4	1019·2	+ 1·9	295·3	297·9	14th	290·8	288·4	14th	293·1	*292·7*	—0·3	129	+ 24
		S.	E.															

APRIL—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	*a.*	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	292·8	296·0	3rd	287·0	283·5	22nd	289·9	*290·3*	0·0	173	+ 88
1222	Punta Tumbes	36 37	73 6	91	‡1003·0	‡1014·0	— 2·4	289·9	292·8	8th	284·3	279·5	20th	287·1	*287·0*	+0·8	46	+ 2
1223	Punta Angeles, Valparaiso	33 1	71 38	41	1009·5	1014·4	— 1·5	294·3	298·9	5th	285·4	283·0	23rd, 28th	289·9	*288·9*	+0·5	102	+ 91
1224	Santiago	33 27	70 42	520	954·2	1014·4	— 1·1	295·6	303·0	7th	282·0	276·0	22nd	288·8	*288·1*	+1·8	74	+ 60
1225	Cordoba	31 25	64 12	423	962·8	1011·6	— 2·8	298·1	306·3	..	285·2	273·7	..	291·7	290·9	+1·2	6	— 37
1226	Bahia Blanca	38 45	62 15	25	..	1012·6	— 1·4	293·0	301·5	3rd	283·4	279·0	26th, 27th	288·2	288·3	0·0	314	+249
1236	Buenos Ayres (Chacarita)	34 46	58 22	25	..	1013·2	— 3·2	295·6	302·4	9th	285·7	277·3	26th	290·7	290·4	+0·6	179	+ 93
1237	Montevideo (Prado)	34 52	56 12	24·9	1010·4	1013·3	— 2·4	297·0	305·7	12th	287·0	277·6	27th	292·0	291·7	+1·3	182	+ 64
1238	Porto Alegre	30 2	W51 13	23·5	1011·7	1014·4	— 1·4	301·1	308·6	18th	290·4	285·0	4th	295·7	295·2	+1·6	163	+ 38
1239	Cape Town	33 56	E 18 29	12·2	..	1016·4	0·0	296·1	307·9	18th	287·2	283·1	20th	291·7	*289·9*	+1·3	43	— 8
1240	Danger Point	34 37	19 18	27·7	1013·7	1017·0	..	292·4	295·2	18th, 19th	286·8	279·7	22nd	289·6	..	..	18	— 15
1241	Riversdale	34 6	21 16	?61	1005·2	1012·4	..	298·8	311·9	18th	286·4	280·8	27th	292·6	..	..	24	..
1242	East London	33 1	27 54	9·8	1015·5	1016·6	— 0·3	296·1	299·7	14th	289·7	285·8	24th	292·9	..	+1·2	44	— 34
1259	Perth (Observatory)	31 57	115 51	60·0	1010·2	1017·6	— 0·9	296·7	303·9	10th	287·4	283·2	17th	292·1	*291·9*	—0·1	62	+ 22
1260	Katanning	33 42	117 35	310	981·5	1017·9	— 0·7	295·3	303·4	14th	283·3	278·0	6th	289·3	..	0·0	67	+ 37
1261	Coolgardie	30 57	121 10	423	968·4	1016·9	— 1·5	297·7	304·0	15th	285·1	281·2	18th	291·4	*291·4*	0·0	105	+ 81
1262	Eucla	31 45	128 58	4·6	1017·4	1018·0	— 0·8	297·1	305·7	28th	287·8	282·4	10th	292·4	*291·9*	+0·6	22	— 6
1263	Streaky Bay	32 48	134 13	13·1	1019·0	1020·3	+ 0·4	298·9	308·0	3rd	287·1	281·3	8th	293·0	*292·4*	+2·3	7	— 19
1264	Adelaide	34 56	138 35	42·7	1016·5	1021·4	+ 1·5	299·0	307·1	4th	287·5	281·4	11th	293·2	*292·8*	+2·5	7	— 39
1265	Melbourne	37 49	144 58	35·1	1018·3	1022·4	+ 3·0	295·3	301·6	25th	283·3	277·9	28th	289·3	*289·0*	+1·0	19	— 38
1266	Bourke	30 13	145 58	110	1009·9	1022·8	+ 2·4	303·2	312·4	6th	287·0	280·8	13th, 14th	295·1	..	+1·8	1	— 29
1267	Sydney	33 51	151 13	44·5	1017·4	1022·6	+ 4·0	296·7	304·1	27th	287·7	284·3	13th	292·2	*291·5*	+1·1	81	— 54
1268	Lord Howe Island	31 20	159 0	4·6	1021·5	1022·0	+ 3·0	295·8	299·1	1st	289·4	284·7	19th	292·6	..	—0·7	97	— 48
1271	Auckland	36 50	174 50	38·1	..	1018·9	..	291·3	293·6	9th	284·0	278·0	25th	287·7	..	—1·5	28	— 57
1272	Napier	39 32	176 53	21·3	..	1018·6	+ 1·7	292·2	296·1	2nd	280·3	273·8	18th	286·2	..	—1·6	17	— 47
		S.	E.															

APRIL—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	*a.*	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	41	— 41
1321	Isla Guafo	43 34	74 45	140	993·1	1010·0	— 4·8	285·2	288·4	2nd	281·5	278·8	20th	283·3	*283·7*	—0·2	155	+ 52
1322	Punta Galera	40 1	73 44	40	1009·1	1013·9	— 2·1	288·3	291·5	29th	282·6	278·4	20th	285·5	*286·2*	+0·8	198	— 25
1323	Sarmiento	45 30	69 0	274	..	1006·2	..	287·6	295·0	12th	277·7	265·5	20th	282·7	282·1	—1·6	29	+ 16
1324	Puerto Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Launceston	41 27	E147 10	10·1	1018·8	1020·1	+ 4·7	293·5	299·6	23rd	281·3	274·7	2nd	287·4	*286·6*	+1·7	23	— 31
1366	Hobart	42 53	147 20	53·9	1012·1	1018·6	+ 4·2	291·6	297·8	5th	282·7	277·2	1st	287·2	*286·4*	+1·4	28	— 20
1370	Invercargill	46 25	168 21	5·5	..	..	..	287·5	295·2	1st	278·8	274·1	17th, 30th	283·1	..	—0·4	180	+ 69
1371	Dunedin	45 52	170 31	91·4	..	1015·1	0·0	287·1	294·1	6th	279·4	274·7	10th	283·2	..	—0·7	141	+ 72
1372	Christchurch	43 31	172 38	7·6	..	1015·0	+ 0·7	289·8	296·1	7th, 8th	279·0	271·3	25th	284·4	..	—0·7	46	— 3
1373	Wellington	41 16	174 46	2·4	..	1018·0	+ 0·9	288·9	292·7	2nd	282·8	276·4	16th	285·9	..	—1·0	49	— 52
		S.	E.															

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

APRIL—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24 S.	75 6 W.	55	993·9	1000·6	— 1·2	281·5	283·8	7th	278·2	274·5	24th	279·9	279·7	—0·4	138	— 5
1422	Puerto de Punta Arenas	53 10	70 54	4	999·0	999·5	— 1·2	281·8	287·5	1st	275·6	271·2	30th	278·7	278·9	—0·7	32	— 2
1423	Punta Dungeness	52 24	68 26	5	..	..	..	281·3	285·0	1st	276·2	273·2	29th	278·7	280·5	—0·4	13	— 4
1424	Santa Cruz	50 11	68 21	12	..	1001·8	— 3·5	284·8	292·8	6th	276·0	271·4	3rd, 20th	280·4	280·5	—1·3	14	— 10
1424a	Año Nuevo	54 39	64 8	50	989·6	995·7	— 2·3	279·1	282·9	9th	275·3	270·5	29th	277·2	277·2	—1·2	113	+ 71
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	92	+ 51
1426	Cape Pembroke	51 41	57 42	21	..	998·6	— 2·7	281·7	289·1	7th	275·8	271·3	29th	278·7	279·0	—0·7	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

APRIL—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	992·4	993·3	+ 2·7	271·1	275·4	15th	266·8	251·1	21st	268·9	269·2	—0·8	40	— 1
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—APRIL 1919.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	10½h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SE	8·1	E	SW 1 SW 1	W 2 S 1	SE 2	SE 6	NE 3 NE 2	SE 4
2	SE	8·0	E	Calm 0 SW 1	S 1 W 1	SE 6	SE 4	NE 2 Calm 0	SE 5
3	SE	9·5	NE	Calm 0 Calm 0	W 1 N 1	SE 4	Calm 0	ENE 2 NE 2	Calm 0
4	SE	9·2	NE	NW 1 WSW 2	E 2 S 1	NE 4	Calm 0	NE 2 ENE 4	Calm 0
5	SSE	7·2	NE	Calm 0 Calm 0	N 1 N 1	NE 4	SE 4	NE 2 NE 2	Calm 0
6	SE	4·7	N	NW 1 NW 1	N 1 N 1	NE 4	..	NE 3 NE 2	Calm 0
7	SE	3·3	N	Calm 0 SW 1	N 1 N 1	SE 3	..	NE 2 NNW 4	Calm 0
8	Calm	2·3	N	Calm 0 SW 1	N 1 N 1	SE 3	..	ENE 2 NE 2	Calm 0
9	Calm	2·7	N	NE 1 SW 1	W 2 W 1	SE 2	..	E 1 E 2	Calm 0
10	SE	3·2	N	WNW 2 SW 1	S 1 S 1	SE 2	..	E 1 E 2	Calm 0
11	SE	3·4	N	NE 1 SW 2	S 1 W 1	NE 5	..	N 2 NE 1	SE 4
12	SE	5·0	N	NW 1 SW 1	S 1 W 1	NE 4	..	NNE 3 N 2	Calm 0
13	SSE	4·8	N	NE 1 SW 1	W 1 W 1	NE 8	..	NE 2 NE 2	Calm 0
14	SSE	6·6	N	NE 1 SW 1	W 1 SW 1	SE 3	Calm 0	NE 2 NE 1	NW 1
15	SSE	10·2	N	NE 1 SW 1	W 1 S 1	SE 3	Calm 0	ENE 3 NE 1	Calm 0
16	SSE	11·3	N	NE 1 SW 1	W 1 W 1	NE 2	SE 2	ENE 3 ENE 2	Calm 0
17	S	8·3	N	Calm 0 SW 1	W 1 S 1	N 2	SE 2	NE 2 N 2	Calm 0
18	SSE	9·7	N	Calm 0 SW 1	SW 2 S 1	SE 3	NE 2	NE 2 NE 2	Calm 0
19	SSE	6·7	N	NW 1 SW 1	E 1 SW 1	SE 3	Calm 0	ENE 2 NE 2	Calm 0
20	SSE	6·9	Calm	Calm 0 SW 1	S 1 W 1	SE 2	Calm 0	NE 3 NE 3	S 1
21	SSE	7·7	N	NE 2 SW 1	S 1 S 1	S 1	Calm 0	NE 1 NE 1	Calm 0
22	SSE	7·3	NE	NW 2 SW 1	S 1 S 1	NE 2	Calm 0	NE 1 NE 2	Calm 0
23	SSE	5·7	NE	Calm 0 SW 2	S 2 S 1	SE 2	NW 2	NE 2 NE 2	Calm 0
24	SSE	6·0	NE	NE 1 SW 1	S 2 S 2	SE 2	Calm 0	NE 2 NE 2	Calm 0
25	SE	..	NE	NE 1 SW 1	W 1 S 2	SE 2	Calm 0	NE 1 NE 2	Calm 0
26	SE	..	NE	NE 1 SW 1	S 2 SW 2	SW 2	Calm 0	NE 3 NE 1	SE 2
27	SSE	9·0	NE	Calm 0 Calm 0	S 1 SSE 2	NE 2	SE 2	NE 2 NE 3	Calm 0
28	SE	8·4	NE	NW 1 SW 1	S 2 E 2	SE 4	Calm 0	NE 3 NE 2	SE 2
29	SE	..	NE	Calm 0 SW 1	E 1 S 2	NE 2	SE 4	N 3 N 2	S 1
30	SSE	..	NE	Calm 0 Calm 0	E 1 E 1	SE 1	SE 2	N 2 N 2	SE 2
Mean	..	6·7	..	0·7 1·0	1·2 1·2	3·2	1·4	2·2 1·9	
§Resultant	150° (87)	..	25° (85)	255° (30)	315° (29)	100° (59)	130° (30)	45° (90)	125° (18)
§Normal	138° (89)	6·6	‖78° (77)	277° (35)	250° (41)	81° (78)	125° (36)	100° (47)	91° (52)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 632 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—APRIL 1919.

‡‡ *Barents Sea.*—The ice was lying more westerly than normal in the eastern part of the sea and in the northern part, south of Hope Island to Bear Island more northerly than normal. The area covered was 1,177 × 10^3 sq. km. compared with a normal of 1,155 × 10^3 sq. km.

‡‡ *White Sea.*—The ice consisted of landflow.

‡‡ *Spitsbergen.*—Between Prince Charles Foreland and Bear Island the ice extended much further west than normal.

‡‡ *Iceland.*—The coasts were free of ice except on 3 days, the 27th, 28th and 29th, when masses of ice were observed extending northeastwards from Rifstangi and a little scattered ice appeared in the fjords of the north-eastern coast. The normal duration of the ice is 7 days visible and 2 days heavy.

‡‡ *Greenland Sea and Denmark Strait.*—At Angmagsalik there was close ice. It was pressed hard against the land in some places. The area covered was 1,173 × 10^3 sq. km. compared with a normal of 1,157 × 10^3 sq. km.

‡‡ *N. Atlantic and Labrador.*—By the middle of the month the Gulf of St. Lawrence was full of packed ice. Heavy scattered ice occurred everywhere in Belle Isle Strait.

‡‡ *Davis Strait.*—"Storis" and closely packed ice extended most of the month from Cape Farewell to Ivigtut in a belt 80–120 miles wide in parts, but from the 12th to the 22nd no ice was visible from Kagsimiut. Scattered ice or "Storis" occurred between Frederikshaab and Fishernaes. West ice was observed between Sukkertoppen and Holstenborg and also (close inshore) at the Western Islands. Further north the ice was firm everywhere.

‡‡ *Isforholdene i de Arktiske Have*, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL MAY, 1919.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MAY 1919 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **MAY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23 N.	156 17 W.	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 27	66 40	?	?1011·5	..	— 2·9	..	..	..	..	..	..	..	..	..	..	..
125	Upernivik	72 47	W56 7	18·9	1011·1	1013·5	— 2·7	275·4	282·8	9th	266·9	254·0	2, 3, 4	271·1	*270·9*	+ 1·8	16	+ 2
139	Spitsbergen(GreenHarbour)	78 2	E14 14	11·4	1020·3	1021·8	+ 5·5	..	277·8	18th	269·2	258·4	1st	..	271·5	+ 3·8	17	+ 5
140	Gjesvaer																	
141	Mehavn	71 6	25 22	6·5	1022·3	1023·1	+ 8·8	..	287·8	6th	275·0	269·5	2nd	..	*277·6*	+ 1·9	52	+ 16
142	Vardö	71 1	27 47	6·4	1022·3	1023·1	+ 9·1	..	286·1	31st	275·1	269·4	1st	..	277·2	+ 2·3	27	— 16
143	Malye Karmakouly	70 22	31 8	10·0	1022·6	1023·8	+ 8·8	..	284·4	25th	274·3	270·2	1st	..	*276·2*	+ 1·5	14	— 23
147	Waigatz	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
157	Maudhavn	77 33 N.	105 40 E.	2·5	1019·9	1020·3	+ 8·4	..	269·1	26th	260·5	254·9	1st	..	*263·2*	..	..	..

Between Latitude 70° N. and 60° N. **MAY—ZONE 2.**

202	Gambel	63 51 N.	171 35 W.	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1006·1	— 4·7	279·1	286·3	7th	271·7	256·9	1st	275·4	*275·9*	+ 0·5	9	..
204	Candle	65 55	161 57	2·4	..	..	..	280·1	289·7	15th	267·6	250·8	1st, 2nd	273·9	..	..	4	..
205	Tanana	65 10	152 6	67·1	..	1008·4	— 5·3	287·3	292·4	13th, 31st	274·7	269·1	3rd	281·0	*281·5*	+ 0·7	19	— 2
206	Rampart	65 30	150 15	122	..	..	..	286·7	292·4	20th	273·2	265·2	2nd	279·9	..	..	12	0
207	Valdez	61 7	146 16	8·2	..	1010·8	— 3·3	283·3	286·9	11, 12, 14	274·1	270·8	2nd	278·7	*279·1*	— 0·2	58	— 7
208	Eagle	64 46	141 12	254	..	1007·1	— 3·6	285·8	293·6	31st	272·2	264·7	2nd	279·0	..	+ 0·1	28	+ 6
209	Dawson	64 4	139 20	328	967·7	1007·0	— 4·8	286·3	294·1	31st	273·0	266·3	2nd	279·7	..	— 1·5	31	+ 5
211	Carcross	60 11	134 34	662	..	..	..	283·7	288·0	sev. dates	270·4	263·0	2nd, 3rd	277·1	..	— 1·9	8	— 2
212	Fort Good Hope	66 25	128 53	65·2	1005·9	1014·1	..	286·8	287·4	23rd, 31st	268·0	250·8	8th	274·4	..	..	14	— 2
	Fort Simpson	61 52	121 35	129	994·2	1010·1	..	285·2	294·7	19th, 20th	273·0	264·7	2nd, 8th	279·1	..	0·0	25	— 24
213	Hay River	60 51	115 20	161	990·5	1010·3	..	283·0	299·7	18th	271·9	259·7	2nd, 3rd	277·4	..	+ 0·5	20	..
225	Jacobshavn	69 13	51 2	12·6	1011·0	1012·6	— 2·8	279·1	285·3	16th, 26th	268·9	249·7	1st	274·0	*274·9*	+ 2·2	6	— 8
226	Godthaab	64 11	51 43	9·0	1007·8	1008·9	— 2·9	..	‡281·4	8th	271·4	262·9	1st	..	*274·3*	+ 0·5	..	..
227	Ivigtut	61 12	48 10	5·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
229	Angmagsalik	65 37	37 33	31·7	1009·8	1013·7	— 1·7	279·7	282·4	30th	271·3	260·9	2nd	275·5	*274·8*	+ 0·5	24	— 54
231	Stykkisholm	65 5	22 46	11·3	1010·3	1011·7	— 2·3	281·9	285·7	21st	275·1	267·5	2nd	278·5	*278·3*	+ 1·0	81	+ 45
232	Vestmanno	63 26	20 15	7·7	1008·3	1009·2	— 3·6	283·4	287·1	19th	278·0	269·7	1st	280·7	*280·2*	+ 0·8	108	+ 26
234	Grimsey	66 33	17 58	22	1009·5	1012·2	— 2·8	278·7	288·8	20th	273·9	268·1	2nd	276·3	*276·3*	+ 1·6	..	..
235	Berufjord	64 40	14 19	18·0	1009·4	1011·6	— 2·4	281·8	288·2	25th	275·4	270·2	2nd	278·6	*278·5*	+ 1·3	134	+ 65
236	Thorshavn	62 3	6 45	26·3	1012·8	1016·0	+ 1·6	283·8	288·3	23rd	279·0	270·6	2nd	281·4	*281·0*	+ 1·6	46	— 39
237	Lerwick	60 9 W	1 8	18·0	1017·6	1019·8	+ 6·1	284·8	289·7	12th, 27th	279·8	273·6	2nd	282·3	*282·2*	+ 2·0	14	— 39
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1016·7	1022·1	+ 7·9	288·1	294·4	11th	280·6	273·5	3rd	284·3	*284·2*	+ 1·9	31	— 58
239	Christiansund	63 7	7 45	17·8	1019·8	1021·9	+ 7·7	..	293·0	24th	280·4	273·5	1st	..	*283·7*	+ 2·9	17	— 45
240	Trondhjem	63 26	10 25	39·5	1017·8	1022·6	+ 8·6	289·5	295·8	24th	279·2	274·9	1st	284·3	*284·1*	+ 3·3	17	— 34
241	Bodö	67 17	14 24	22·4	1019·8	1022·5	+ 8·7	..	290·0	6th	278·3	273·0	2nd	..	*281·7*	+ 2·9	22	— 35
242a	Haparanda	65 50	24 9	9·2	1023·1	1024·2	+ 9·9	283·8	290·0	8th, 21st	274·2	267·0	1st	279·0	*279·3*	+ 2·3	6	— 23
	Helsingfors	60 10	24 57	11·7	1021·4	1022·8	+ 8·5	286·8	294·3	27th	278·7	273·6	14th	282·8	*283·1*	+ 1·8	9	— 36
	Kuopio	62 54	27 40	90·3	1012·7	1023·8	+ 9·5	287·1	295·8	26th	276·9	270·5	14th	282·0	*282·5*	+ 2·2	7	— 31
243	Kola	68 53	33 1	6·7	1024·2	1025·0	+10·7	280·0	290·2	26th	273·0	264·1	2nd	276·5	*276·5*	0·0	7	— 16
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	6·2	1023·1	1023·9	+ 9·9	281·3	296·1	26th	273·6	268·0	13th	277·4	*277·2*	— 0·8	15	— 15
246	Mezen	65 50	44 16	12·6	1021·6	1023·2	+ 9·5	278·4	296·0	26th	270·4	263·9	3rd	274·4	*274·2*	— 2·2	3	— 21
247	Oust-Tsylma	65 25	52 14	? 70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
248	Tcherdyn	60 24	56 31	?177	993·6	1015·4	+ 1·5	283·0	298·0	31st	273·4	266·2	5th	278·2	*277·8*	— 3·2	61	+ 12
249	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	61 15	73 24	? 40	1010·0	1015·0	+ 1·4	..	294·5	28th	271·1	258·9	5th	..	*276·0*	— 0·1	32	— 1
253																		
254	Doudinka	69 23	86 4	20	1009·2	1011·7	— 0·7	..	277·1	16th	264·2	247·1	3rd	..	*267·2*	..	8	..
	Touroukhansk	65 47	87 57	45	1008·2	1013·9	+ 1·2	..	287·9	20th	267·0	252·1	3rd	..	*271·2*	— 0·8	33	+ 7
262	Iakoutsk	62 1	129 43	108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
263	Verkhoïansk	67 33	133 23	100	992·4	1004·8	— 3·6	..	288·4	24th	276·6	260·8	9th	..	*276·0*	+ 1·3	9	+ 2
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1008·0	1011·2	— 3·6	273·9	283·5	26th	266·5	249·5	1st	270·2	‡*271·3*	+ 0·4	14	+ 7
272	Novo-Mariinskii Post	64 45 N.	177 33 E.	22·7	1008·7	1011·6	— 2·7	270·2	275·5	15th	264·7	251·8	1st	267·4	‡*268·8*	— 1·4	12	+ 2
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," Pages 105 and 106.

MAY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..		..	..		..	..	..	111	
302	St. Paul Island	57 15	170 10	6·1	..	1000·3	−10·9	275·6	278·6	10, 21, 31	271·4	267·4	1st	273·5	..	..	11	
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1000·3	−12·5	278·9	281·9	6th	274·3	273·0	14th, 17th	276·6	..	−0·5	89	
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	..	..		..	..		..	..	..	..	
306	Kodiak (Radio)	57 47	152 22	6·1	..	1005·4	− 6·1	280·4	286·9	12th	275·8	271·9	1st	278·1	..	..	243	
309	Sitka	57 3	135 19	27·4	..	..	..	..	..		..	..		..	..	..	..	
310	Prince Rupert	54 18	130 18	51·8	1004·0	1011·5	− 3·7	285·1	289·7	7th	275·8	271·3	3rd	280·4	*280·5*	−0·8	83	
311	Barkerville	53 2	121 35	1274	867·1	1013·9	+ 0·5	283·6	287·4	4th, 7th	276·9	273·6	2nd	280·2	*280·2*	−2·2	190	
312	Kamloops	50 42	120 29	385	970·7	1016·1	+ 0·4	283·6	291·9	21st	271·3	263·6	3rd, 4th	277·4	*277·2*	−2·5	91	
								293·0	299·1	25th, 28th	279·7	273·0	13th, 14th	286·3	*286·5*	−0·9	17	
313	Calgary	51 2	114 2	1045	890·8	1009·8	− 2·1	291·9	304·1	19th, 22nd	276·3	266·3	3rd	284·1	*283·4*	+1·7	24	
314	Fort Chipewyan	58 42	111 10	218	984·9	1011·4	..	284·1	300·2	19th	273·0	263·6	4th	278·6	*279·5*	−1·3	44	
315	Prince Albert	53 10	105 38	442	958·5	1010·2	− 1·7	294·7	308·0	29th	278·6	266·3	4th	286·6	*286·2*	+4·2	5	
316	Qu'Appelle	50 30	103 47	645	935·8	1010·4	− 2·1	293·6	305·8	28th	278·6	267·4	4th	286·1	*285·4*	+3·2	47	
317	Minnedosa	50 15	99 50	515	952·2	1012·1	− 1·2	294·1	306·3	27th	278·6	266·3	5th	286·3	*285·9*	+3·4	45	
318	Berens River	52 18	97 23	216	..	..	..	290·9	302·4	30th	277·9	265·8	5th	284·4	..	+5·3	11	
318*a*	Port Nelson	57 4	92 36	14·9	1014·2	1016·0	0·0	284·7	302·4	26th	271·3	257·4	4th	278·0	..	+7·2	6	
319	Fort Hope	51 53	87 49	‡260	985·1	1017·9	..	291·3	306·9	31st	275·2	262·4	5th	283·3	*283·9*	+3·5	0	
320	Moose Factory	51 14	80 30	9·1	1015·4	1016·5	+ 0·3	285·8	305·8	31st	273·0	261·9	4th	279·4	..	+0·0	..	
321	Fort George	53 50	79 5	97·5	..	..	..	283·3	299·7	31st	271·7	260·8	4th, 6th	277·5	*277·4*	..	..	
322	Mistassini Post	50 15	73 55	383	..	..	..	286·6	303·0	29th	271·2	260·2	6th	278·9	..	+0·5	43	
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	281·3	286·9	27th	272·8	268·0	9th	277·1	..	−0·5	49	
326	Belle Isle	51 53	55 23	133	986·0	1002·6	− 9·6	275·4	280·8	19th	266·7	260·2	7th	271·1	*271·6*	−3·3	26	
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1012·3	1014·0	− 1·5	288·4	295·2	30th	282·8	276·3	7th	285·6	285·5	+1·4	110	
335	Aberdeen	57 10	W 2 6	26·8	1015·8	1019·1	+ 4·3	285·4	292·4	24th	279·8	274·1	4th	282·6	282·5	+0·6	15	
336	Greenwich	51 28	0 0	46·3	1012·7	1018·2	+ 3·0	292·9	300·2	23rd	280·4	276·9	20th	286·7	286·6	+1·4	9	
337	Uccle	50 48	E 4 22	100	1005·6	1017·7	+ 2·4	293·5	299·4	23rd	281·3	276·5	1st	287·4	287·5	+1·7	27	
338	De Bilt	52 6	5 11	3·0	1018·9	1019·3	+ 4·3	292·4	300·1	24th	280·2	276·0	18th	286·3	286·8	+2·0	22	
338*a*	Hamburg	53 33	9 58	26·0	1017·6	1020·7	+ 5·8	290·4	296·6	11th	281·3	276·0	1st	285·9	*285·7*	+0·8	11	
339	Copenhagen	55 41	12 36	5·0	1021·0	1021·6	+ 0·5	287·9	294·2	22nd	280·8	275·6	1st	284·3	*284·4*	+0·8	6	
340	Potsdam	52 23	13 4	84·9	1009·4	1019·8	+ 4·7	290·6	298·7	31st	278·8	273·3	1st	284·7	284·5	−1·1	22	
340*a*	Upsala	59 51	17 38	24	1019·4	1022·3	+ 8·5	289·7	295·7	26th	276·1	269·8	18th	282·9	283·5	+2·0	27	
341	Warsaw	52 13	21 1	133	1002·3	1018·3	+ 4·2	288·7	295·9	12th	279·4	273·5	1st	284·1	284·2	−2·2	51	
342	Dorpat (Jurjev)	58 23	26 43	74·5	1013·4	1022·6	+ 8·3	289·1	296·5	27th	278·1	273·0	19th	283·6	283·4	+0·5	7	
343	Petrograd	59 56	30 16	4·8	1022·3	1022·9	+ 8·7	286·6	293·9	28th	278·2	272·7	13th	282·4	*282·5*	+0·8	11	
344	Kiev	50 27	30 30	183	994·0	1016·1	+ 1·6	288·3	295·0	26th	279·7	273·2	6th	284·0	*283·5*	−4·0	89	
344*a*	Moscow	55 50	37 33	167	999·8	1020·2	+ 4·8	287·3	298·2	29th	276·1	269·8	16th	281·7	*282·0*	−3·1	22	
345	Saratov	51 32	46 3	59·9	..	..	..	..	..		..	..		..	..	..	..	
346	Kazan	55 47	49 8	79·9	1007·9	1017·7	+ 2·8	287·5	290·7	28th	277·8	271·0	5th	282·6	*282·3*	−3·5	30	
347	Orenburg	51 45	55 6	109	1001·2	1014·4	− 1·1	290·1	298·8	24th	278·6	269·3	6th	284·4	*284·5*	−2·5	79	
348	Perm	58 1	56 16	159	996·2	1015·7	+ 1·5	..	295·6	28th	275·2	267·1	5th	..	*279·6*	−3·1	57	
349	Ekaterinburg	56 50	60 38	281	980·4	1014·5	− 0·6	285·1	297·4	28th	274·2	263·9	5th	279·6	*279·8*	−3·2	31	
350	Tobolsk	58 12	68 14	?108	1002·3	1015·6	+ 0·7	285·6	297·3	28th	275·2	262·6	5th	280·4	*279·9*	−1·7	..	
351	Akmolinsk	51 12	71 23	?347	974·4	1015·6	− 0·3	291·1	303·1	23rd	278·2	265·4	6th	284·6	*284·5*	−1·0	18	
352	Omsk	54 58	73 23	87·9	1004·7	1015·4	0·0	..	300·0	22nd	277·8	265·7	8th	..	*284·2*	+0·6	14	
353	Barnaoul	53 20	83 48	162	996·3	1015·8	− 0·6	290·4	301·3	19th	277·4	266·5	9th	283·9	*284·8*	+1·1	..	
354	Tomsk	56 30	84 58	122	1000·2	1015·2	+ 0·6	..	297·6	20th	275·5	264·4	5th	..	*281·3*	+0·9	..	
355	Minousinsk	53 43	91 41	249	985·1	1014·9	− 0·8	..	301·2	20th	277·4	266·1	9th	..	*284·1*	..	29	
356	Eniseisk	58 27	92 10	77·6	1004·6	1014·2	+ 0·3	..	297·2	20th	272·4	261·7	4th	..	*278·5*	−1·1	11	
357	Irkutsk	52 16	104 19	467	958·2	1013·7	− 0·4	..	298·5	2nd	273·9	263·9	1st	..	*281·3*	−0·0	17	
358	Kirensk	57 47	108 7	263	981·1	1013·2	+ 1·0	282·5	293·8	30th	270·8	261·0	7th	276·6	*278·3*	−1·8	0	
359	Tchita	52 2	113 30	681	..	..	..	..	..		..	..		..	..	..	..	
360	Nertchinskii Zavod	51 19	119 37	626	934·7	1008·2	− 0·1	..	297·0	31st	272·9	262·6	1st	..	*279·9*	−1·0	17	
361	Tygan Ourkan	54 5	124 46	379	961·2	1006·6	..	284·9	294·0	3rd	271·0	264·2	12th	278·0	*278·9*	..	27	
362	Blagoveshchensk (Bureau Météor)	50 16	127 30	142	988·6	1005·7	− 0·7	289·4	297·8	26th	276·2	269·2	1st	282·8	*282·9*	+0·1	25	
363	Paikanskii Sklad	50 11	130 7	145	..	..	..	..	..		..	..		..	..	..	..	
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1005·0	1007·6	− 1·9	..	286·0	30th	271·8	265·9	3rd	..	*276·0*	−0·4	22	
366	Okhotsk	59 21	143 12	6·0	1007·4	1008·2	− 5·0	274·2	279·9	22nd	270·4	265·1	17th	272·3	*272·5*	−1·8	30	
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	..	..	..	..	..		..	..		..	..	..	..	
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..		..	..		..	..	..	..	
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 to 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

MAY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1007·8	1016·4	0·0	288·0	293·0	14th	280·2	277·4	3rd	284·1	283·7	−0·3	20	− 13
412	Portland, Oregon	45 32	122 41	46·6	1011·5	1016·6	− 0·3	292·3	300·8	21st	281·7	276·9	3rd	287·0	*286·6*	−0·2	50	− 11
413	Macleod	49 44	113 24	953	..	..	..	291·7	304·7	23rd	278·2	269·1	3rd	284·9	*285·1*	+ 2·0	35	− 19
414	Helena	46 34	112 4	1253	871·2	1011·8	− 1·2	292·3	308·0	28th	278·6	268·6	6th	285·4	*284·9*	+ 0·8	24	− 32
414*a*	Salt Lake City	40 46	111 54	1329	863·7	1009·5	− 1·5	296·3	305·2	28th	283·6	273·6	31st	289·9	*290·0*	+ 2·4	31	− 21
415	Cheyenne	41 8	104 48	1856	810·9	1010·5	− 0·3	291·1	297·4	27th	276·3	270·8	6th	283·7	*283·8*	+ 0·2	18	− 44
416	North Platte	41 8	100 45	859	915·8	1014·2	+ 1·8	294·7	301·3	24th	280·4	275·8	1st	287·6	*287·3*	− 0·7	59	− 14
416*a*	Bismarck	46 47	100 38	511	954·1	1014·2	+ 0·6	292·9	305·8	27th	279·8	271·9	7th	286·3	*286·6*	+ 0·7	103	+ 41
417	Winnipeg	49 53	97 7	232	986·1	1013·6	− 0·7	295·2	308·0	28th	279·7	265·2	5th	287·4	*287·2*	+ 3·5	49	− 9
418	Duluth	46 47	92 6	345	974·4	1015·9	+ 1·2	288·2	305·2	28th	278·3	272·4	4th	283·3	*283·6*	+ 2·4	44	− 36
419	Port Arthur	48 27	89 12	196	992·6	1016·3	+ 1·2	288·6	297·4	29th	276·9	270·2	5th	282·7	*282·3*	+ 1·7	21	− 31
420	Chicago	41 53	87 37	251	984·4	1014·5	− 0·2	289·3	301·3	31st	282·5	277·4	5th	285·9	*286·0*	− 0·9	98	+ 5
421	Toronto	43 40	79 24	116	1000·0	1014·0	− 0·9	291·3	306·3	29th	280·8	276·9	8th, 11th	286·1	285·5	+ 1·6	131	+ 55
422	New York (Central Park)	40 46	73 58	30·2	1010·5	1014·1	− 1·6	294·4	306·3	29th	284·9	279·1	10th	289·7	289·4	+ 0·4	105	+ 23
423	St. John, N.B.	45 17	66 4	36·2	1010·1	1014·5	+ 0·7	286·9	296·3	22nd	278·0	274·7	1, 7, 10	282·4	281·3	+ 0·7	100	+ 6
423*a*	S.W. Point, Anticosti	49 24	63 33	9·1	1014·4	1015·5	+ 3·5	280·8	286·9	22nd	274·7	269·1	6th	277·7	*277·9*	+ 0·8	93	+ 42
424	Sable Island (Main Station)	43 57	60 6	7·6	1015·4	1016·3	+ 0·6	282·4	289·7	22nd	277·4	274·1	1, 2, 7	279·9	*279·7*	+ 0·2	103	+ 14
425	Port aux Basques	47 35	59 10	9·1	1012·5	1013·6	+ 0·1	281·3	289·7	22nd	274·7	270·8	7, 9, 10	278·0	277·7	+ 0·3	81	− 8
426	St. John's, Newfoundland	47 34	52 42	38·1	1007·4	1012·1	− 0·5	281·9	289·7	13th, 15th	273·6	270·8	8, 17, 19	277·7	*277·2*	− 1·3	102	+ 12
435	Madrid	40 24	3 41	655	940·6	1015·5	+ 0·9	299·7	305·2	26th	281·9	275·6	1st	290·8	290·1	+ 1·9	19	− 24
436	Nantes	47 15	W 1 34	36·5	1012·5	1016·9	+ 1·5	293·1	299·0	14th	282·9	278·0	5th	288·0	287·8	+ 1·3	51	− 5
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·9	1018·0	+ 2·5	294·3	299·9	14th	282·6	275·9	1st	288·5	288·5	+ 2·5	18	− 33
438	Marseilles	43 18	5 23	75	..	1015·7	+ 2·3	295·8	300·3	28th	283·5	277·3	1st	289·7	*289·5*	+ 0·4	0	− 52
438*a*	Zürich	47 23	8 33	493	960·1	1018·1	+ 2·4	292·8	299·4	31st	279·5	273·2	1st	286·2	285·7	− 0·1	38	− 72
439	Rome	41 54	12 27	45	1009·9	1015·2	+ 1·1	294·0	297·5	31st	283·4	275·1	2nd	288·7	*288·8*	− 2·0	35	− 23
440	Vienna	48 15	16 22	203	992·3	1016·7	+ 2·8	287·8	294·1	12th	280·4	275·0	1st	284·1	284·0	− 3·5	104	+ 34
440*a*	Buda-Pesth	47 31	19 2	130	999·8	1015·4	+ 1·5	290·4	297·2	13th	279·9	274·7	1st	285·1	*284·9*	− 3·3	55	− 17
441	Sofia	42 42	23 20	550	950·1	1015·0	+ 2·6	287·6	293·5	12th	278·9	274·2	1st	283·3	*283·0*	− 4·9	134	+ 48
442	Bucharest	44 25	26 5	82	1003·9	1013·8	+ 0·3	291·3	297·8	11th	280·0	275·1	15th	285·6	285·1	− 4·8	77	+ 16
443	Odessa (University)	46 26	30 46	42·8	1008·3	1013·5	− 0·9	288·0	295·4	11th	281·7	277·6	17th	284·8	*284·5*	− 4·0	95	+ 64
444	Kharkov (University)	50 0	36 14	140	998·3	1015·2	− 0·5	289·5	295·9	26th	279·0	273·3	21st	284·2	*283·9*	− 3·6	64	+ 20
444*a*	Novorossiisk	44 44	37 49	37·1	1008·4	1012·8	− 2·0	290·7	294·8	11th	282·6	278·1	4th	286·6	*286·6*	− 1·7	58	+ 16
445	Tiflis	41 43	44 48	404	966·2	1013·5	− 1·7	292·6	300·7	30th	283·6	279·3	14th	288·1	*287·6*	− 2·9	118	+ 39
446	Astrakhan	46 21	48 2	−13·8	..	..	..	..	..		..	..		..	..	..	..	
447	Fort Alexandrovsk	44 31	50 16	−18·0	..	..	..	..	..		..	..		..	..	..	..	
448	Krasnovodsk	40 0	52 59	−17·2	..	..	..	..	..		..	..		..	..	..	..	
449	Aralskoe More	46 47	61 42	56	1007·9	1014·7	− 0·4	293·8	303·1	22nd	282·7	273·5	8th	288·2	*288·4*	− 2·6	17	..
450	Tachkent	41 20	69 18	478	957·5	1012·1	− 0·6	301·0	308·9	26th	280·7	280·0	7th	293·8	*293·1*	0·0	41	+ 8
451	Narynskoe	41 26	76 2	?2015	795·6	..	..	..	298·8	5th	279·1	274·9	10th	..	*285·3*	+ 0·9	33	..
452	Vernyi	43 16	76 53	841	..	..	..	295·8	306·1	3rd	284·5	276·7	4th	290·2	*289·7*	..	80	..
463	Mukden	41 48	123 23	43·8	1004·4	1009·6	+ 0·8	294·8	301·1	8th	281·8	272·2	3rd	288·3	288·1	− 0·3	33	− 28
464	Joshin	40 40	129 11	4·0	1010·0	1010·5	+ 1·0	289·5	300·8	29th	279·8	274·8	3rd	284·7	284·0	− 0·1	85	+ 24
465	Yuki	42 20	130 24	65·6	1002·1	1010·1	..	287·9	298·7	31st	279·1	273·2	2nd	283·5	283·0	..	75	..
466	Vladivostok	43 7	131 55	128	994·8	1010·4	+ 0·1	285·5	295·5	31st	278·3	274·5	1st	281·9	281·4	− 1·2	59	+ 9
466	Ochiai	47 20	142 46	6·6	1007·2	1008·0	− 2·9	284·9	297·0	29th	274·1	270·0	4th	279·5	279·7	+ 1·0	47	− 14
466	Nemuro	43 20	145 35	26·7	1007·9	1011·2	− 0·3	284·4	292·4	7th	275·9	272·2	3rd	280·1	279·8	+ 0·3	95	+ 1
466	Syana	45 14 N.	147 53 E.	39·3	1006·0	1010·8	− 0·6	283·8	293·7	31st	273·7	269·3	3rd	278·7	278·7	+ 0·3	61	− 19

Between Latitude 40° N. and 30° N.

MAY—ZONE 5 (Western Half.)

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1008·0	1013·9	− 2·0	290·8	299·7	27th	283·2	281·9	1st	287·0	*286·1*	0·0	0	− 20
512	San Luis Obispo	35 18	120 39	61·3	1006·9	1014·2	− 1·8	293·5	304·1	31st	281·9	276·9	18th	287·7	*286·1*	−0·5	5	− 9
513	San Diego	32 43	117 10	26·5	1010·0	1012·8	− 1·5	291·5	293·0	28th	286·7	285·2	11th	289·1	*288·8*	−0·2	9	+ 1
514	Modena	37 48	113 54	1670	830·2	1008·4	− 1·6	296·8	301·9	27th	278·9	271·3	6th	287·9	*287·0*	+2·7	10	− 11
515	Santa Fé	35 41	105 57	2138	785·0	1007·8	− 1·0	292·7	297·4	18th	279·9	275·2	24th	286·3	*285·6*	−1·1	86	+ 59
516	Denver	39 45	105 0	1613	834·8	1010·5	− 0·1	293·9	300·8	29th	280·8	275·2	31st	287·3	*286·7*	0·0	6	− 59
517	Abilene	32 23	99 40	530	950·1	1010·1	− 1·3	299·7	308·6	31st	287·3	281·3	20th	293·5	*293·1*	−2·1	146	+ 52
518	Saint Louis	38 38	90 12	173	992·2	1012·5	− 1·8	294·5	304·1	30th	285·9	280·8	9th	290·2	*290·0*	−2·1	200	+ 93
519	Mobile	30 41	88 2	17·4	1010·8	1012·8	− 2·5	299·6	302·4	15th	291·3	286·3	22nd	295·4	*295·2*	−0·9	153	+ 44
520	Nashville	36 10	86 47	166	993·7	1013·5	− 2·1	296·7	302·4	30th	287·2	281·9	21st	291·9	*291·4*	−2·0	220	+126
521	Charleston	32 47	79 56	14·6	1012·5	1014·2	− 2·0	299·7	304·7	25th	293·2	288·6	22nd	296·4	*296·7*	+1·2	43	− 40
522	Washington	38 54	77 3	34·1	1009·8	1013·9	− 1·8	296·5	306·3	30th	285·8	281·3	11th	291·1	*290·9*	0·0	134	+ 42
530	Bermuda	32 17	64 46	46·0	1012·9	1018·3	+ 0·2	297·4	299·1	21, 24, 27	291·9	288·0	1st	294·7	*294·4*	0·0	60	− 51
531	Santa Cruz (Flores)	39 27	31 9	28	1013·1	1016·1	− 5·4	291·7	294·7	16th	286·2	282·2	23rd	288·9	*288·9*	−1·0	145	+ 40
532	Horta	38 32	28 38	65	1009·5	1016·9	− 4·5	291·1	294·0	31st	286·9	283·5	20th	289·0	288·8	−1·1	122	+ 38
532*a*	Ponta Delgada	37 44	25 40	22	1015·8	1017·6	− 3·5	290·9	293·8	31st	287·3	284·8	1st	289·1	289·1	−0·4	..	..
533	Faia de Cima	37 48	25 40	175	..	..	..	..	..		..	..		..	..	..	171	+ 82
534	Madeira (Funchal)	32 37	16 54	25	1018·4	1021·4	+ 2·6	293·3	296·8	26th	287·9	285·9	3rd	290·6	*290·7*	−0·2	0	− 26
535																		
536	Lisbon	38 43	9 9	95	1006·6	1018·0	+ 2·1	293·9	303·3	25th	286·3	282·8	1st, 9th	290·1	*289·7*	+0·2	20	− 27
536*a*	Gibraltar	36 6	5 21	16·2	1015·9	1017·8	+ 1·5	294·9	298·6	27th	286·7	281·9	2nd	290·8	*290·4*	−0·8	8	− 36
537	Melilla	35 18 N.	2 59 W.	8	‡1017·0	‡1018·0	+ 0·8	295·9	299·0	26th	286·3	282·4	2nd	291·1	*290·9*	−2·8	4	− 25
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1013·3	1016·0	+ 0·9	295·6	300·8	25th	285·1	279·0	1st	290·3	..	−0·8	28	..
538	Algiers (Bouzaréah)	36 48	3 2	343	976·6	1016·4	+ 1·2	294·0	301·0	28th	286·6	280·5	1st	290·3	290·0	+1·1	24	..
539	Tunis	36 48	10 10	21	1013·7	1016·2	..	294·0	299·0	20th	282·6	277·9	1st	288·3	*288·1*	−4·0	20	..
539*a*	Malta	35 54	14 31	56·4	..	1014·0	− 1·3	292·7	298·0	21st	287·1	282·4	2nd	289·9	*289·0*	−2·0	14	..
540	Riposto	37 41	15 14	14·2	..	1017·6	+ 1·2	292·2	294·0	31st	286·1	283·2	1st	289·1	*288·0*	−3·1	60	..
541	Athens	37 58	23 43	107	1002·2	1013·0	− 0·4	293·2	297·3	31st	285·5	282·1	3rd	289·4	289·1	−3·5	24	..
542	Alexandria	31 12	29 53	32·0	1010·4	1014·2	+ 0·5	297·6	305·8	7th	288·6	286·1	4th	293·1	*292·8*	−1·1	0	..
543	Cairo (Helwan)	29 52	31 20	116	999·6	1013·2	+ 1·3	302·3	309·4	7th	289·0	284·0	4th	295·7	295·0	−2·6	0	..
544	Nicosia (P.W.D.)	35 9	33 22	159	..	1011·5	+ 0·1	297·1	300·8	1st, 8th	284·1	279·7	3rd	290·6	..	−3·2	3	..
544*a*	Beirut	33 54	35 28	33·7	..	1013·1	+ 1·1	296·0	301·6	22nd	286·2	287·0	10th	292·6	*292·4*	−1·7	21	..
545	Baghdad	33 21	44 28	38·1	..	1009·7	+ 0·1	305·1	317·2	31st	292·3	288·6	16th	298·7	*297·1*	−1·6	31	..
546	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546*a*	Lenkoran	38 46	48 52	—20	1015·6	1013·2	— 1·2	..	..	..	286·3	281·9	8th, 9th	..	*289·1*	−2·1	75	..
547	Teheran	35 41	51 25	1220	..	..	..	300·7	310·0	31st	288·2	281·9	14th	294·4	*294·5*	+0·3	12	..
548	Meshed	36 16	59 35	946	..	..	..	..	..	..	..	..	..	..	..	..	..	..
549	Seistan	31 0	61 30	?	..	..	..	309·4	314·3	31st	293·3	288·7	10th	301·3	..	..	0	..
550	Quetta	30 11	67 3	1677	831·9	..	+ 0·1	302·5	307·7	31st	285·4	281·6	20th	293·9	*294·0*	+1·2	24	..
551	Peshawar	34 2	71 37	339	968·1	1005·7	+ 0·8	310·4	318·2	31st	293·3	290·2	19th	301·8	*301·6*	−0·1	11	..
551*a*	Lahore	31 34	74 20	214	980·5	1004·1	+ 1·6	311·9	317·3	30th	296·4	292·8	9th	304·1	*304·1*	−0·6	17	..
552	Simla	31 7	77 8	2205	780·3	..	+ 0·3	293·4	298·3	30th	286·3	279·7	3rd	289·8	*289·9*	−1·8	111	..
552*a*	Leh	34 10	77 42	3503	667·6	..	0·0	..	..	..	275·3	271·3	1st	..	‡*282·4*	..	6	..
559	Hankow	30 35	114 17	37·0	1005·9	1010·2	— 1·3	301·3	308·5	29th	291·7	283·1	2nd	296·5	*296·0*	+1·2	217	..
560	Tientsin	39 10	117 10	5·0	1008·6	1009·2	— 0·4	298·9	309·3	28th	286·5	276·6	1st	292·7	*292·1*	−0·4	41	..
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1010·6	— 0·5	298·7	307·8	8th	288·1	279·1	3rd	293·4	292·8	+1·2	70	..
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1004·0	1012·1	+ 0·5	293·4	301·0	9th	284·4	276·4	3rd	288·9	288·3	+0·9	109	..
562*a*	Nagasaki	32 44	129 52	133	997·6	1013·3	+ 1·3	296·5	302·1	29th	287·0	281·3	2nd	291·8	291·3	+0·5	130	..
563	Kioto	35 1	135 44	42·9	1008·3	1013·4	+ 1·6	297·5	303·0	20th	283·5	277·0	16th	290·5	290·0	+0·5	45	..
564	Tokio	35 41	139 45	21·3	1010·6	1013·1	+ 1·0	294·0	300·3	11th	284·4	279·0	16th	289·2	289·2	−0·3	91	..
565	Kanayama	37 53	140 46	24·6	1010·1	1013·0	+ 1·0	293·2	303·0	10th	280·5	274·5	5th	286·9	286·6	−0·0	67	..
566	Miyako	39 38 N.	141 59 E.	30·4	1008·5	1012·1	+ 0·5	292·0	301·8	6th	279·7	274·8	23rd	286·1	285·6	+0·2	50	..

601	Midway Island	28 15 N.	177 22 W.	5·8	..	1021·0	+ 2·5	298·8	301·3	28th	291·6	289·7	3rd	295·2	..	..	13	..
605	Honolulu	21 19	157 52	11·6	1016·2	1017·5	+ 0·1	299·7	301·9	..	294·1	290·8	..	296·9	*296·6*	+0·1	17	..
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	856·4	1006·2	..	301·9	305·0	30th	287·8	282·7	1st	294·8	*295·0*	..	3	..
616	Leon	21 7	101 41	1809	819·9	1004·4	0·0	304·2	308·2	29th	286·5	283·1	8th	295·3	*296·8*	+1·0	0	..
616*a*	Monterry	25 40	100 18	528	949·9	1007·6	..	305·4	311·5	27th	293·3	289·1	2nd	299·3	*299·0*	..	10	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	302·0	..	..	281·0	..	..	292·1	+0·9	45	..
618	Galveston	29 18	94 50	16·5	1010·1	1012·2	— 1·9	298·8	303·0	28th	292·8	289·7	24th	295·8	*295·9*	−1·2	253	..
618*a*	New Orleans	29 57	90 4	16·2	..	1012·2	— 2·7	300·4	304·7	18th	292·2	289·1	22nd	296·3	*295·9*	−0·8	178	..
619	Merida, Yuc.	20 58	89 38	22	1008·3	1010·7	..	306·1	308·4	5th, 26th	296·2	293·8	1st	301·1	*300·5*	..	106	..
620	Havana	23 8	82 21	24·3	..	1013·5	— 0·9	302·4	305·3	28th	295·8	293·8	16th	299·1	*298·9*	+0·5	82	..
620*a*	Key West	24 33	81 48	6·7	1012·6	1013·2	— 1·8	302·1	304·1	28th	296·4	293·0	30th	299·2	*299·0*	−0·1	173	..
621	Nassau, Bahamas	25 5	77 21	3·7	..	1017·2	+ 1·6	301·4	303·6	28th	296·1	294·1	1st, 19th	298·7	*298·6*	+0·1	104	..
622	Watling Island	24 6	74 26	33·5	1012·3	1016·1	+ 0·2	..	301·9	12th	..	294·7	11th, 15th	..	*299·2*	..	..	..
633	Izaña	28 19	16 30	2367	769·6	..	..	287·5	295·4	25th	279·1	267·3	1st	283·3	*282·7*	..	2	..
634	La Laguna	28 28	W16 20	547	953·1	1016·3	+ 0·1	294·0	298·6	24th	284·6	280·2	11th	289·3	*288·7*	0·0	7	..
637	Insalah	27 1	E 2 21	?280	..	..	..	312·3	321·2	17th	291·2	283·0	4th	301·8	*302·1*	−1·0	0	..
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	998·7	1010·0	+ 0·4	311·3	319·5	27th	295·1	289·5	5th	303·2	*302·6*	+0·2	..	..
644	Tor	28 14	33 37	1·9	1010·6	1010·8	+ 1·0	301·7	310·6	22nd	291·8	286·9	5th	296·7	*296·4*	−0·9	..	..
647	Bushire	28 59	50 53	4·3	1006·6	1007·1	— 0·9	303·7	308·2	26th	297·3	292·9	4th	300·5	*299·9*	−0·5	3	..
648	Jask	25 44	57 47	4·0	1005·5	1005·9	— 0·4	307·2	312·6	11th	298·3	295·8	3rd	302·8	*302·2*	+0·2	9	..
649	Robat	29 45	60 55	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
649*a*	Karachi	24 53	66 57	4·0	1005·7	1006·2	+ 0·4	304·4	306·3	19th	299·7	297·8	1st, 2nd	302·0	*301·4*	+0·4	2	..
650	Jacobabad	28 17	68 29	56·7	997·4	1003·7	+ 1·1	316·9	322·2	29th	301·2	297·6	8th	309·1	*308·7*	?+0·9	5	..
651	Jaipur	26 56	75 52	436	958·0	1005·3	+ 1·2	312·9	317·7	31st	297·9	294·1	3rd, 4th	305·4	*305·0*	−1·1	34	..
652	Nagpur	21 8	79 5	310	971·9	1005·6	+ 1·3	314·5	318·0	31st	299·6	294·6	11th	307·0	*306·4*	−1·3	19	..
653	Allahabad	25 25	81 51	94·1	994·9	1005·2	+ 1·9	314·4	319·0	31st	300·1	293·8	4th	307·2	*306·8*	+0·2	3	..
653*a*	Darjiling	27 3	88 18	2266	775·7	..	+ 0·5	291·7	295·4	30th	284·3	279·9	5th	288·0	*288·1*	+0·5	216	..
654	Calcutta	22 36	88 23	6·4	1005·4	1006·2	+ 1·1	308·4	313·3	22nd	298·5	293·2	5th	303·5	*303·3*	+0·4	106	..
655	Gauhati	26 8	91 41	59·7	1001·6	1008·4	+ 0·7	304·4	308·4	21st	295·2	291·4	6th	299·8	*298·7*	+0·3	127	..
655*m*	Cherrapunji	25 15	91 42	1314	867·1	..	+ 0·5	295·7	297·9	3rd	289·3	284·7	1st	292·5	*291·9*	+0·6	877	..
655*a*	Akyab	20 11	92 56	6·1	1007·0	1007·6	+ 0·2	307·0	308·9	30th	298·1	292·1	4th	302·6	*302·9*	+0·4	93	..
656	Mandalay	21 59	96 0	76·2	999·0	1007·4	+ 0·3	313·3	316·7	2nd	299·9	296·1	21st	306·6	*306·3*	+1·7	112	..
656*a*	Tengyueh	24 59	98 35	1633	832·1	..	..	298·3	301·9	31st	285·6	281·9	7th	291·9	*291·3*	..	31	..
657	Phu Lien	20 48	106 37	116	994·0	1007·3	— 0·6	303·2	308·7	10th	296·5	291·9	22nd	299·9	*299·0*	+0·4	107	..
658	Moncay	21 31	107 51	9·0	1006·9	1007·9	+ 0·1	302·3	305·2	12th	295·9	292·0	23rd	299·1	*298·8*	−0·5	408	..
659	Hong Kong	22 18	114 10	33·2	..	1009·5	+ 0·1	300·0	304·4	21st	296·1	293·6	3rd, 24th	298·1	297·8	−0·1	177	..
660	Amoy	24 27	118 4	ca.3	1010·4	1010·7	0·0	298·9	303·6	30th	294·9	290·2	4th, 24th	296·9	*296·6*	+0·5	83	..
661	Taihoku, Formosa	25 2	121 31	9·3	1009·6	1010·7	+ 0·3	301·4	306·5	31st	293·0	286·9	4th	297·2	296·8	−0·1	264	+5
661*a*	Basco (Santo Domingo)	20 28	121 59	18·7	..	1008·2	— 0·4	303·8	306·2	13th	297·4	294·7	3rd	300·6	*300·2*	−0·1	382	+7
662	Naha	26 13	127 41	10·5	1010·7	1011·9	+ 0·8	299·9	304·5	11th	292·2	284·0	4th	296·1	296·1	0·0	335	+3
665	Titizima (Bonin Islands)	27 5 N.	142 11 E.	4·0	1013·1	1013·6	+ 0·5	298·3	301·0	12th	293·9	290·6	24th	296·1	295·8	0·0	322	+7
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	954·7	1009·6	..	304·3	305·9	4th	293·7	287·8	17th	299·0	*299·0*	..	0	..
716	Morelia	19 42	101 7	1923	808·0	1004·2	..	297·2	299·6	28th	288·7	283·4	27th	292·9	*293·2*	..	11	..
717	Mexico, Tacubaya	19 24	99 12	2309	773·7	1009·2	— 0·8	301·4	305·6	26th	282·8	280·5	8th	292·1	291·1	+ 0·7	8	— 43
718	Salina Cruz	16 12	95 12	56	1003·6	1009·9	..	304·3	307·9	14th, 21st	299·6	297·8	9th	302·0	*301·6*	..	0	..
719	San Salvador	13 42	89 13	‡665	935·2	1009·0	— 1·4	308·1	312·0	5th	292·6	290·4	1st	300·3	*298·1*	+ 0·8	88	— 79
720	Belize	17 29	88 12	5·2	1010·6	1011·2	— 0·4	303·5	305·8	24th	298·1	294·1	15th, 21st	300·8	*300·4*	+ 0·2	45	—101
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·4	— 0·2	303·1	305·5	3rd	296·0	294·1	6th	299·6	*299·6*	+ 0·4	309	+160
722	Port au Prince	18 34	72 22	37·4	1009·4	1013·7	0·0	306·0	308·7	23rd	296·1	294·0	27th	301·1	*300·4*	+ 1·0	156	— 88
723	Caracas	10 30	66 55	1042	899·5	1014·7	— 0·4	304·3	307·4	30th	296·5	294·1	1st, 8th	300·4	*299·9*	..	139	..
724	Montserrat	16 41	62 9	39·6	1010·0	1014·5	+ 0·9	299·0	302·0	25th	289·4	287·5	4th, 25th	294·2	*293·8*	−0·3	32	— 39
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	994·3	1012·2	— 0·3	302·6	304·1	1st, 26th	297·2	296·3	sev. dates	299·9	*299·5*	+ 0·5	150	+ 32
725	Barbados	13 8	59 36	55·2	..	1013·6	— 0·3	303·8	304·6	23rd	296·6	295·1	7th	300·2	*299·6*	+ 0·9	49	— 22
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·1	1014·4	— 0·2	298·2	299·4	31st	293·2	292·0	7th, 8th	295·7	*296·5*	+ 0·2	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·6	1014·2	— 0·4	299·9	303·4	28th	295·7	294·2	15th	297·8	*297·7*	+ 0·8	0	0
733	Bathurst	13 27	16 36	1·8	1013·7	1014·0	+ 0·6	301·8	307·4	11th, 27th	..	..	..	..	*296·8*	— 2·9	4	— 1
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	313·3	316·3	2nd	296·6	294·1	17, 19, 21	304·9	..	0·0	12	+ 1
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	309·2	313·6	3rd, 6th	298·4	293·6	16th	303·8	*303·5*	— 1·5	37	— 13
738	Kaduna Capital	10 32	7 25	637	944·4	1015·6	+ 0·6	303·0	305·8	6th	294·0	289·1	18th	298·5	*298·1*	— 0·8	206	+ 55
739	Hadeija	12 40	10 5	?	..	..	..	312·7	317·4	3rd	298·5	295·2	19, 22, 25	305·6	*305·3*	+ 0·4	32	..
740	Maiduguri	11 47	13 11	361	..	..	..	312·8	318·6	2nd	298·7	294·1	14th	305·8	*305·5*	— 0·3	83	+ 55
741	El Fasher	13 32	25 18	730	..	..	..	312·4	315·5	14th	295·7	292·0	8th	304·0	..	..	9	..
743	El Obeid	13 11	30 14	569	..	..	..	312·5	316·5	12th	..	..	..	..	?*306·6*	+ 3·7	0	— 11
743*a*	Khartoum	15 37	32 33	390	963·4	1006·0	— 0·1	315·0	319·2	28th	298·6	294·0	3rd, 6th	306·8	*307·0*	+ 0·4	7	+ 4
744	Port Sudan	19 37	37 13	5·5	1007·9	1008·5	0·0	307·4	312·5	25th	296·1	292·0	7th	301·7	*301·9*	0·0	0	— 1
745	Berbera, Somaliland	10 22	45 2	9·5	1007·1	1008·1	— 1·0	308·9	316·9	30th, 31st	300·7	299·1	1st	304·8	*304·6*	+ 0·8	4	— 4
746	Aden	12 45	45 3	28·7	1005·7	1008·9	— 0·4	305·9	309·4	22nd	301·3	299·3	20th	303·6	*302·9*	+ 0·1	0	— 3
751	Bombay	18 54	72 49	11·3	1008·1	1009·3	— 0·2	306·0	307·0	27th	300·4	298·7	3rd	303·2	*302·6*	+ 0·4	0	— 16
751*a*	Cochin	10 58	76 21	2·7	1009·6	1009·9	0·0	304·9	306·2	11th	298·2	295·1	17th	301·6	*301·0*	— 0·1	407	+113
752	Kodaikanal	10 14	77 28	2343	770·8	..	— 0·3	293·7	295·4	3rd	285·1	284·0	19th	289·4	*289·4*	— 0·3	178	+ 26
752*a*	Bangalore	12 59	77 38	920	909·3	1008·4	+ 0·2	305·8	308·7	2nd	293·6	291·2	23rd	299·7	*298·7*	— 0·1	215	+109
753	Madras	13 4	80 14	6·7	1006·6	1007·3	+ 0·2	310·2	314·5	18th	300·6	297·8	9th	305·4	*304·8*	+ 0·3	1	— 25
754	Vizagapatam	17 42	83 19	11·6	1005·4	1006·7	+ 0·9	307·2	312·2	22nd	301·1	296·1	6th	304·2	*303·6*	+ 0·9	8	— 45
755	Port Blair	11 40	92 40	17·7	1006·1	1008·2	— 0·6	305·1	308·0	3rd	298·9	297·3	20th	302·0	*301·4*	+ 0·4	284	—118
756	Rangoon	16 46	95 48	5·5	1007·9	1008·5	+ 0·2	307·4	311·6	2nd	298·5	296·4	4th, 22nd	303·0	*301·7*	+ 0·8	125	—185
757	Saigon	10 47	106 42	11·2	1006·7	1007·9	0·0	306·4	309·0	15th	298·1	296·4	17th	302·3	*301·8*	+ 0·1	182	— 21
758	Nhatrang	12 15	109 12	3·6	1007·1	1007·5	— 0·3	306·4	308·8	15th	297·4	295·4	3rd	301·9	*301·3*	+ 0·2	84	+ 20
759	Bolinao	16 24	119 53	7·1	..	1006·5	— 1·1	307·2	310·7	6th	298·4	296·4	5th	302·8	*301·9*	+ 0·1	88	— 91
760	Vigan	17 34	120 23	12·2	..	1007·9	— 0·7	306·9	309·2	13th	298·3	296·6	21st	302·6	302·2	+ 0·5	86	— 72
760*a*	Manila	14 35	120 59	14·2	..	1008·4	— 0·3	308·6	310·7	12th, 13th	297·1	294·1	1st	302·9	302·1	+ 0·7	144	+ 38
762	Ormoc	11 0	124 36	5·6	..	1008·0	— 0·1	307·1	309·0	30th	295·8	293·0	1st	301·5	*300·9*	+ 1·2	6	— 82
765	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	..	1009·4	+ 0·1	304·6	?306·0	30th	298·1	296·8	16th	301·3	*301·3*	+ 0·3	25	— 79

805	Fanning Island	3 55 N.	159 23 W.	3·1	..	..	..	304·2	305·8	1st, 9th	298·0	295·8	26th, 27th	301·1	*300·7*	+1·0	310	— 63
822	Colon	9 23	79 23	11·0	..	1009·9	— 0·6	303·2	306·3	18th	298·4	296·9	23rd	300·8	*300·4*	+1·0	177	—146
822	Bogota	4 36	74 6	2645	..	..	..	297·0	298·5	26th, 27th	289·0	287·8	5, 9, 14	293·0	*291·8*	..	351	..
822	Merida, Venez.	8 36	71 9	1641	‡841·1	..	..	..	..	..	..	..	..	..	‡*296·3*	—0·3	227	+ 77
822	El Peru, Guayanavieja	7 19	61 49	220	985·6	1010·8	0·0	..	..	..	..	..	..	..	*297·4*	0·0	594	+307
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·1	+ 1·2	301·9	303·3	3rd	297·4	295·8	24th	299·7	*299·4*	0·0	594	+307
826	Paramaribo	5 49	55 9	3·7	1013·2	1013·6	+ 0·6	302·2	303·9	13th, 14th	296·4	295·6	17th	299·3	*297·8*	—0·7	607	+291
826	Cayenne	4 56	52 21	6	..	..	..	302·6	304·0	12th	295·1	293·6	17th	298·9	*298·5*	—0·6	490	— 67
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1004·7	1012·6	+ 0·9	304·1	305·8	1st, 3rd	..	..	..	..	‡*299·9*	—1·7	304	+ 18
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	222	+ 32
836	Accra	5 33	W 0 12	25·7	..	..	..	304·2	..	..	..	..	..	..	..	..	191	+ 47
838	Lagos	6 27	E 3 24	4·6	1012·1	1012·6	..	303·1	304·3	..	297·1	293·6	..	300·1	*299·7*	—0·2	218	— 45
839	Libreville	9 48	6 10	130	..	..	..	305·6	310·2	25th	296·2	293·0	21st	300·9	*300·4*	—0·9	218	+ 95
841	Yola	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
842	Wau	9 12	12 30	259	..	..	..	306·4	310·8	1, 2, 3	..	..	..	..	‡*300·4*	—0·8	231	+118
843		7 42	28 3	440	959·9	1009·1	+ 0·7	308·0	312·0	9, 10, 27	295·9	293·5	sev. dates	301·9	*300·5*	+0·4	199	+ 60
843*a*	Malakal (Kodok)	9 35	31 37	394	965·1	1009·0	+ 0·9	309·3	314·7	2nd	296·7	292·3	19th	303·0	*302·0*	..	121	+ 55
844	Mongalla	5 11	31 47	439	959·9	1009·0	+ 0·5	308·1	310·0	4th	..	..	..	..	‡*299·5*	..	143	+ 6
845	Entebbe	0 5	32 29	1171	884·5	..	+ 0·4	298·8	300·5	1st	291·1	289·7	1, 19, 20	294·9	*294·1*	+0·5	268	+ 52
846	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
852	Mimicoy	8 17	72 49	2·1	1010·5	1010·7	+ 0·5	..	..	..	..	..	..	..	..	..	250	+103
852	Colombo Observatory	6 54	79 53	7·3	1008·1	1008·9	+ 0·5	303·9	305·2	9th	297·9	295·3	26th	300·9	*300·3*	—0·2	508	+179
854	Nuwara Eliya	6 59	80 47	1886	..	..	..	294·2	297·8	11th	285·4	282·7	1st	289·8	*289·0*	+0·3	290	+118
854	Trincomalee	8 34	81 14	30·2	1003·4	1006·8	+ 1·0	307·9	310·4	7th	299·1	296·7	15th	303·5	*302·9*	+0·4	153	+ 91
855	Kota Radja	5 32	95 20	7·1	..	..	..	..	..	..	..	..	..	..	..	..	154	— 1
856	Medan	3 35	98 41	25·0	..	..	..	..	..	..	..	..	..	..	..	..	192	+ 12
857	Penang	5 34	100 20	5·0	1005·1	1005·7	— 4·1	306·3	307·4	2, 4, 8	295·9	294·1

MAY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	*301·2*	+ 0·3	357	+244
924	Manaos	3 8	60 1	43·8	..	..	..	305·4	306·8	29th	297·4	296·4	13th	301·4	*300·2*	+ 0·4	90	—
926	Taperinha	2 30	54 20	20·0	1009·0	1011·3	— 0·5	302·7	304·6	10th	295·8	294·4	11th	299·2	*298·2*	+ 0·4	152	—
927	Turyassu	1 43	45 26	15·1	1009·3	1011·0	— 0·3	306·5	307·3	5th	296·0	293·2	23rd	301·2	*300·0*	+ 1·3	80	—
928	Barra do Corda	5 30	45 16	81·0	1000·7	1010·1	— 0·8	305·0	306·2	19th	293·2	290·4	31st	299·1	*298·0*	+ 0·5	32	—
929	Quixeramobim	5 16	39 15	207	988·5	1011·7	— 0·5	306·9	307·8	3rd, 11th	298·1	297·4	sev. dates	302·5	*301·7*	+ 2·2	10	—
930	Fernando Noronha	3 50	W32 25	106	1000·8	1012·9	— 0·9	300·7	301·4	7th	297·1	295·0	9th	298·9	*298·8*	..	73	—
939	Loanda	8 49	E 13 13	59·3	..	1012·7	+ 0·8	297·7	300·3	7th	294·4	292·6	23rd, 31st	296·1	295·8	— 1·5	0	—
940	Brazzaville	4 17	15 16	320	976·0	1012·1	+ 0·1	305·7	309·0	sev. dates	294·6	292·0	17th	300·2	*299·5*	+ 1·2	12	—
943	Masaka	0 21	31 47	?1280	..	..	..	298·6	300·8	10th	288·8	288·6	sev. dates	293·7	*292·6*	+ 0·1	119	—
944	Nairobi	1 14	36 44	1800	..	..	..	295·2	298·6	7th	285·2	280·2	24th	290·2	*289·5*	— 0·2	153	—
944a	Zanzibar	6 10	39 11	21·9	1014·4	1016·9	+ 0·9	301·6	302·4	11th	297·4	295·9	29th	299·5	*299·0*	+ 0·4	71	—
945	Lamu	2 16	40 50	3·1	..	..	..	306·3	308·0	13th	298·0	295·8	14th	302·2	*301·7*	+ 1·9	141	—
947	Seychelles, Port Office	4 37	55 27	4·6	1010·7	1011·1	— 0·6	302·6	303·6	..	299·8	297·9	..	301·2	*300·4*	+ 1·1	341	—
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
958	Batavia	6 11	106 50	8·0	1008·3	1009·2	— 0·3	302·7	304·5	14th	296·9	295·8	7th, 9th	299·8	299·3	— 0·2	282	—
958a	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	159	—
959	Passeroean	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	322	—
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	116	—
962	Ambon	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	162	—
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	426	—
965	Daru	9 4	143 13	7·6	..	1009·8	— 0·9	303·2	..	..	..	..	..	..	*300·1*	— 0·2	369	—
966	Port Moresby	9 29	147 9	39·0	..	1010·1	— 0·5	303·0	..	..	296·4	..	..	299·7	*299·2*	— 0·4	350	—
967																	130	—
968	Rendova	8 30	157 12	1·8	1009·5	1009·7	+ 0·5	..	..	..	..	..	..	..	..	..	274	—
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·3	1009·6	— 0·2	304·6	306·1	14th	298·1	296·3	23rd	301·3	*301·0*	+ 0·8	255	—
970	Ocean Island	0 52	169 35	20·0	1005·3	1007·5	— 0·6	..	..	..	297·7	296·3	22nd	..	*300·5*	..	191	—
		S.	E.															

MAY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·9	— 0·2	302·6	304·0	19th	296·0	294·0	11th	299·3	299·3	+ 0·6	138	—
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·1	303·6	13th, 30th	..	..	..	..	..	..	11	—
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·8	..	+ 0·1	293·2	294·8	27th	283·1	279·9	12th	288·1	*287·2*	+ 0·8	0	—
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	997·6	1011·1	— 1·8	303·3	308·0	1st	293·6	288·4	29th	298·4	*297·6*	+ 1·1	151	—
1026	Cuyaba	15 36	56 6	165	992·0	1010·8	— 1·2	303·4	305·3	24th	296·4	293·4	19th	299·9	*299·8*	+ 1·2	101	—
1027	Bello Horizonte	19 55	43 57	857	920·3	1016·7	— 0·6	298·0	300·6	23rd	287·3	282·8	28th	292·7	*291·9*	+ 0·4	28	—
1028	Caetite	14 3	42 37	900	917·1	1016·4	+ 0·8	296·8	299·0	23rd	289·9	288·6	7th	293·4	*293·9*	— 0·1	35	—
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·9	1014·4	— 0·3	300·3	302·1	5th	295·6	294·6	14th, 18th	298·0	*297·8*	0·0	370	—
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	946·0	1017·4	+ 0·1	295·2	297·9	23rd	287·3	285·8	21st	291·2	*291·1*	+ 0·7	88	—
1042	Gwelo	19 28	E 29 48	1417	865·9	..	+ 1·7	295·7	301·9	7th	276·7	270·8	30th	286·2	..	— 2·4	3	—
1043	Salisbury, Rhodesia	17 48	31 5	1457	860·7	..	+ 0·9	295·9	299·7	2nd	278·7	274·7	31st	287·3	*286·2*	— 1·6	2	—
1044	Zomba	15 23	35 18	996	911·8	1024·3	+ 2·3	296·7	300·8	1, 2, 3	286·5	282·4	9th	291·6	*290·6*	— 0·1	49	—
1045	Tananarive	18 55	47 32	1400	867·5	..	+ 1·4	294·2	299·3	11th	284·3	279·9	30th	289·3	*288·2*	— 1·2	12	—
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1010·8	1011·4	— 0·3	301·6	303·0	7th	298·0	295·8	30th	299·8	*299·5*	— 0·4	564	—
1056																		
1057	Christmas Island	10 25	105 43	5·5	1007·3	1007·9	— 0·6	303·1	305·2	..	297·2	295·8	..	300·2	*299·6*	— 0·2	510	—
1058																		
1061	Koepang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	8	—
1061a	Derby	17 18	123 40	16·2	1012·6	1014·5	+ 0·9	304·7	310·0	6th	292·1	285·2	25th, 26th	298·4	..	+ 0·2	1	—
1062	Hall's Creek	18 13	127 46	374	973·9	1016·0	+ 0·7	302·1	309·8	1st	287·4	279·2	23rd	294·7	*294·1*	+ 0·3	3	—
1063	Darwin	12 28	130 51	29·6	1007·7	1011·1	+ 0·2	304·9	307·4	25th	295·4	290·3	25th	300·2	*299·0*	— 0·4	1	—
1064	Daly Waters	16 16	133 23	211	988·5	1012·4	— 0·6	302·9	307·4	1st, 6th	290·3	283·0	24th	296·6	*296·0*	— 0·1	12	—
1065	Mein	13 13	142 47	122	996·5	1010·2	— 0·6	303·3	306·3	9th	293·9	287·4	29th	298·6	..	+ 0·7	23	—
1066	Georgetown, Queensland	18 22	143 32	302	980·4	1014·5	+ 0·3	302·5	305·9	1st	290·4	282·4	29th	296·4	..	+ 0·7	668	—
1067	Samarai	10 37	150 40	15·2	..	1009·2	— 1·6	302·8	..	..	297·3	..	..	300·0	*299·7*	+ 0·9	76	—
1072	Suva, Fiji	18 8	178 26	16·8	..	1014·4	0·0	299·4	302·3	20th	293·3	289·9	21st	296·3	*296·0*	— 1·4	mm.	mm.
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.		

* For formulæ employed *see* pages 112 and 113. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

MAY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	44	—119
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·5	1014·7	— 1·9	291·7	293·9	16th	287·7	285·5	5th	289·7	*289·5*	+3·2	143	+109
1122	Iquique	20 12	70 11	9	..	..	..	294·5	297·0	27th	286·8	285·2	16th	290·7	*291·8*	+1·5	0	0
1123	Catamarca	28 27	65 47	510	948·6	1006·4	— 6·0	300·2	305·5	6th	285·4	280·1	30th	292·8	292·5	+3·7	0	— 12
1124	Salta	24 46	65 28	1178	880·2	1009·8	— 2·8	296·5	301·3	27th	284·0	277·3	3rd	290·3	290·3	+3·4	0	— 9
1125	Goya	29 9	59 15	26	1008·1	1011·1	— 5·0	299·0	304·3	12th	288·7	283·1	21st	293·9	293·2	+4·0	92	+ 22
1126	Asuncion	25 21	57 37	95	‡1003·3	‡1014·5	— 2·8	299·9	306·8	12th	290·3	284·3	4th	295·1	294·1	+2·2	297	+200
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1009·4	1016·6	— 0·3	298·7	304·4	19th	292·9	289·4	27th	295·8	295·4	+0·7	8	—76
1139	Windhoek	22 35	E17 5	1680	..	..	..	295·1	299·2	2nd	282·6	278·3	7th	288·9	*288·9*	+0·1	0	— 6
1140																		
1141	Kimberley	28 42	24 47	1202	889·4	..	+ 3·3	294·7	297·7	12th	278·2	272·4	3rd	286·4	286·0	+0·3	1	— 21
1142	Johannesburg	26 11	28 4	1806	828·7	..	+ 2·8	291·2	294·8	11th	279·8	272·8	7th	285·5	*285·1*	+0·1	2	— 16
1142a	Pretoria (Brooklyn)	25 46	28 13	1400	868·2	..	+ 3·1	294·5	299·4	27th	278·8	273·8	3rd	286·7	*286·3*	+0·4	2	..
1143	Bulawayo	20 9	28 35	1340	873·0	..	+ 1·8	294·3	300·2	..	280·5	274·1	..	287·4	*286·6*	—1·8	0	— 7
1144	Durban	29 52	31 3	15·2	1022·7	1024·5	+ 3·5	296·8	301·9	28th	287·4	283·6	5th	292·1	*291·5*	—0·2	75	+ 26
1147	Lorenzo Marques	25 58	32 36	59	..	1022·7	+ 3·6	298·0	307·7	2nd	288·0	285·0	7th	293·0	292·4	—1·1	75	+ 45
1147	Mauritius	20 6	57 33	55·2	1009·9	1016·4	0·0	299·2	301·0	3rd, 9th	291·5	286·4	22nd	295·3	295·1	—0·2	24	— 53
1159	Onslow	21 43	114 57	4·3	1013·9	1014·7	+ 0·1	303·9	308·6	1st	289·8	281·9	22nd	296·9	..	+1·8	0	— 37
1160	Peak Hill	25 38	118 47	588	950·3	1016·8	+ 0·4	296·4	304·9	1st	285·1	279·7	22nd	290·8	..	+0·1	21	— 2
1161	Nullagine	21 53	120 5	386	973·1	1016·5	+ 0·7	301·7	308·0	1st	287·5	281·3	23rd, 24th	294·6	..	+1·5	0	— 13
1162	Laverton	28 40	122 23	466	967·9	1021·5	+ 2·1	294·9	302·9	4th	281·9	275·8	19th	288·4	*288·3*	—0·3	4	— 21
1163	Alice Springs	23 38	133 37	587	952·3	1019·4	+ 1·1	294·3	303·0	1st	280·7	273·6	25th	287·5	*287·4*	—0·8	2	— 15
1164	William Creek	28 55	136 21	76·2	1012·7	1021·8	+ 1·4	294·1	302·4	8th	281·6	275·8	25th	287·8	*287·5*	—0·3	1	— 9
1165	Boulia	22 55	139 38	146	999·9	1016·8	+ 0·9	298·8	304·7	8th	286·4	279·8	26th, 28th	292·6	*292·5*	—0·1	4	— 6
1166	Thargomindah	27 58	143 43	123	1004·2	1018·6	+ 0·5	296·3	303·7	7th	285·8	279·2	31st	291·1	*290·9*	+1·2	19	— 2
1167	Mitchell	26 32	147 52	336	980·2	1018·6	..	295·3	300·8	2nd	282·9	275·8	31st	289·1	..	+1·6	79	+ 40
1167	Rockhampton	23 24	150 30	11·3	1015·8	1017·1	— 0·5	297·8	301·3	14th	288·4	282·3	30th	293·1	..	—0·2	124	+ 83
1168	Brisbane	27 28	153 2	41·7	1013·9	1018·8	— 0·1	295·4	297·8	1st	287·9	284·1	24th	291·7	*291·2*	+0·7	139	+ 66
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 4	167 59	15·2	1017·7	1019·5	+ 1·6	293·7	296·7	17th	289·6	286·9	29th, 30th	291·6	*291·2*	0·0	101	— 40
		S.	E.															

Between Latitude 30° S. and 40° S.

MAY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	292·4	297·1	8th	287·3	283·0	31st	289·9	*290·6*	+2·1	272	+125
1222	Punta Tumbes	36 37	73 6	91	‡999·9	‡1010·8	— 5·8	289·0	291·8	15th	285·5	283·0	22nd, 31st	287·3	*287·4*	+2·1	119	+ 32
1223	Punta Angeles, Valparaiso	33 1	71 38	41	1008·8	1013·7	— 3·3	291·8	297·1	8th	286·1	282·9	20th	288·9	*288·6*	+1·7	420	+328
1224	Santiago	33 27	70 42	520	953·9	1014·4	— 2·7	292·4	299·2	8th, 9th	282·3	277·0	18th	287·3	*286·5*	+3·4	246	+187
1225	Cordoba	31 25	64 12	423	961·8	1010·8	— 4·5	296·9	301·6	..	284·8	277·2	..	290·9	289·8	+3·5	143	+118
1226	Bahia Blanca	38 45	62 15	25	..	1011·4	— 2·5	290·5	297·5	10th	283·4	276·0	23rd	286·9	287·1	+2·6	67	+ 36
1227	Buenos Ayres (Chacarita)	34 46	58 22	25	..	1012·4	— 4·7	293·2	300·3	10th	285·8	277·6	23rd	289·5	289·0	+2·6	79	+ 2
1228	Montevideo (Prado)	34 52	56 12	24·9	1009·7	1012·6	— 3·9	293·8	301·1	9th	286·2	279·3	24th	290·0	289·7	+2·9	122	+ 24
1229	Porto Alegre	30 2	W51 13	23·5	1012·6	1015·4	— 2·2	297·1	303·1	7th	285·9	280·7	23rd	291·5	291·2	+0·9	90	— 31
1240	Cape Town	33 56	E18 29	12·2	..	1021·1	+ 3·0	295·9	306·4	13th	282·9	276·3	3rd	289·4	*287·9*	+1·4	38	— 55
1241	Danger Point	34 37	19 18	27·7	1017·1	1020·4	..	293·1	301·9	15th	284·7	279·9	3rd	288·9	..	..	38	— 31
1242	Riversdale	34 6	21 16	? 61	1009·4	1016·8	..	297·8	304·7	11th	279·6	275·8	3, 4, 25	288·7	..	..	27	..
1243	East London	33 1	27 54	9·8	1020·3	1021·5	+ 3·4	295·7	303·6	23rd, 31st	284·6	281·3	8th	290·1	..	+0·2	36	— 18
1259	Perth (Observatory)	31 57	115 51	60·0	1014·1	1021·6	+ 3·1	293·6	298·1	2nd	284·0	277·3	9th	288·8	*288·8*	—0·1	52	— 72
1260	Katanning	33 42	117 35	310	984·9	1021·8	+ 3·2	291·4	297·9	3rd	280·7	274·7	9th	286·1	..	+0·2	18	— 34
1261	Coolgardie	30 57	121 10	423	973·0	1022·4	+ 2·8	292·5	299·8	4th	281·2	276·3	9th	286·8	*286·7*	—0·4	47	+ 12
1262	Eucla	31 45	128 58	4·6	1021·7	1022·3	+ 3·3	292·8	301·9	4th	283·2	279·1	30th	288·0	*287·6*	—0·9	46	+ 14
1263	Streaky Bay	32 48	134 13	13·1	1022·0	1023·4	+ 2·6	291·7	299·7	5th	282·4	277·1	17th	287·1	*286·6*	—0·8	23	— 26
1264	Adelaide	34 56	138 35	42·7	1018·6	1023·7	+ 3·6	291·9	300·1	5th	283·6	278·4	16th	287·8	*287·6*	+0·5	58	— 11
1265	Melbourne	37 49	144 58	35·1	1019·7	1024·0	+ 4·5	289·8	298·4	5th	281·2	275·7	17th, 27th	285·5	*285·2*	+0·2	42	— 13
1266	Bourke	30 13	145 58	110	1010·1	1023·2	+ 1·3	295·3	304·7	1st	283·2	276·3	15th	289·2	..	+0·8	65	+ 38
1267	Sydney	33 51	151 13	44·5	1016·6	1021·9	+ 3·4	293·3	303·0	1st	286·8	281·9	31st	290·1	*289·4*	+2·3	585	+454
1268	Lord Howe Island	31 20	159 0	4·6	1019·2	1019·8	+ 2·2	293·8	296·3	1st, 2nd	289·6	285·7	26th	291·7	..	+0·5	206	+ 68
1271	Auckland	36 50	174 50	38·1	..	1021·3	..	289·2	291·9	1st	282·5	276·9	28th	285·9	..	—0·8	151	+ 38
1272	Napier	39 32	176 53	21·3	..	1022·3	+ 7·8	288·4	298·0	3rd	278·7	274·1	15th, 22nd	283·6	..	—1·6	80	— 28
		S.	E.															

Between Latitude 40° S. and 50° S.

MAY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1321	Chatham Island	43 52	170 42	104	..	..	..	285·3	287·4	22nd	282·2	279·7	11th	283·7	*283·9*	+1·7	246	+110
1322	Isla Guafo	43 34	74 45	140	987·4	1004·2	— 8·8	288·2	289·8	12th	284·6	280·6	31st	286·4	*286·8*	+2·6	590	+267
1323	Punta Galera	40 1	73 44	40	1003·4	1008·2	— 6·6	288·2	289·8	14th, 16th	276·9	273·0	21st	280·4	280·2	+0·9	70	+ 48
1324	Sarmiento	45 30	69 0	274	..	1006·2	..	283·9	288·5	..	..	..	..	..	..	..	..	..
1365	Puerto Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1366																		
1369	Launceston	41 27	E147 10	10·1	1022·1	1023·3	+ 7·2	289·2	296·8	6th	278·8	272·9	17th	284·0	*283·4*	+1·2	76	+ 8
1370	Hobart	42 53	147 20	53·9	1016·3	1023·0	+ 7·4	287·4	295·1	6th	279·4	275·2	26th	283·4	*282·8*	+0·2	19	— 28
1371																		
1371a	Invercargill	46 25	168 21	5·5	..	..	..	285·4	291·3	2nd	276·4	268·0	31st	280·9	..	+0·3	103	— 14
1372	Dunedin	45 52	170 31	91·4	..	1021·5	+ 8·7	284·9	293·0	2nd	277·6	271·9	31st	281·2	..	—0·1	42	— 42
	Christchurch	43 31	172 38	7·6	..	1021·5	+ 6·5	286·4	292·6	4th, 16th	277·0	270·9	31st	281·7	..	—0·3	32	— 28
	Wellington	41 16	174 46	2·4	..	1022·8	+ 8·3	286·9	290·4	4th	280·9	273·9	29th	283·9	..	—0·7	49	— 72
		S. ° ′	E. ° ′		mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

MAY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	995·9	1002·6	+ 2·2	281·0	284·3	17th	278·2	274·5	21st	279·6	279·7	+1·2	82	—
1422	Puerto de Punta Arenas	53 10	70 54	4	1005·6	1006·1	+ 4·3	279·2	282·1	22nd	274·8	269·0	9th	277·0	277·5	+0·7	188	—
1423	Punta Dungeness	52 24	68 26	5	..	..	..	280·5	282·8	19th	275·4	273·8	8th, 12th	277·9	279·2	+1·0	106	—
1424	Santa Cruz	50 11	68 21	12	..	1005·8	+ 1·5	280·5	287·5	5th	274·9	269·0	8th	277·7	278·0	0·0	34	—
1424a	Año Nuevo	54 39	64 8	50	1001·1	1007·3	+ 8·2	277·8	280·1	20th	275·7	273·0	29th	276·7	276·8	+0·1	70	—
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	145	—
1426	Cape Pembroke	51 41	57 42	21	..	1007·9	+ 6·9	279·6	281·3	7th, 20th	275·0	271·9	16th	277·3	277·7	0·0	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

MAY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	1001·4	1002·3	+ 9·4	269·1	273·8	23rd	259·8	247·7	24th	264·5	264·4	−1·3	14	—
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MAY 1919.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17½h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SSE	6·7	N	NE 2 SW 1	E 1 S 1	SE 2	Calm 0	NE 1 NE 2	SE
2	SSE	6·1	Calm	Calm 0 Calm 0	NE 1 S 1	NE 2	Calm 0	NNE 3 NE 3	SE
3	SE	4·6	Calm	Calm 0 Calm 0	S 2 E 1	SE 2	Calm 0	NE 2 NE 1	SE
4	SE	6·1	Calm	Calm 0 SW 1	S 1 E 1	NE 2	Calm 0	NE 3 ENE 3	SE
5	SSE	5·1	Calm	Calm 0 Calm 0	E 1 E 1	SE 2	Calm 0	NE 3 ENE 3	SE
6	SE	7·6	N	NE 1 SW 1	S 1 E 2	SE 2	Calm 0	NE 3 NNE 3	SE
7	SE	7·4	N	Calm 0 SW 1	S 1 E 2	NE 2	Calm 0	ENE 3 ENE 2	SE
8	SSE	10·3	N	Calm 0 Calm 0	SE 1 SSE 1	NE 2	SE 4	NE 3 NE 2	SE
9	SSE	9·6	N	Calm 0 SW 1	E 1 SE 1	NE 2	SE 4	NE 3 ENE 3	SE
10	SSE	8·9	N	SW 1 Calm 0	W 1 E 1	NE 2	SE 4	NE 2 NE 2	SE
11	SSE	6·2	N	Calm 0 Calm 0	E 1 SE 1	NE 2	SE 2	E 2 ENE 2	SE
12	SSE	4·1	N	WSW 3 WSW 3	S 1 SW 1	NE 2	SE 4	E 2 E 1	SE
13	SSE	3·1	N	W 3 SW 3	S 2 SW 1	SE 2	Calm 0	NE 3 E 2	SE
14	Calm	2·3	N	SW 1 SW 1	S 1 SW 1	SE 2	Calm 0	ESE 2 E 2	Calm
15	Calm	3·4	N	NE 1 SW 1	S 1 SE 1	NE 3	Calm 0	SE 3 E 3	Calm
16	SSE	5·8	N	Calm 0 SW 1	S 2 S 1	SE 3	Calm 0	E 3 E 3	Calm
17	SSE	4·9	N	NE 1 Calm 0	N 1 SW 1	SE 7	SE 2	E 3 E 3	Calm
18	ESE	6·8	N	SW 1 SW 1	SE 1 S 1	SE 4	SE 2	E 2 E 2	Calm
19	SSE	6·1	N	Calm 0 SW 1	SW 2 S 1	SE 3	SE 2	SSE 2 SE 3	NE
20	SSE	4·2	N	Calm 0 Calm 0	SW 1 S 1	SE 4	SE 2	SE 2 ESE 2	NW
21	SSE	5·1	Calm	S 1 Calm 0	SW 1 S 1	SE 4	SE 4	SE 3 SE 2	NW
22	SSE	3·8	NE	Calm 0 Calm 0	S 1 S 2	SE 4	SE 6	ESE 2 E 2	SE
23	SSE	4·2	E	ENE 2 SW 1	S 1 S 2	NE 3	SE 4	E 2 E 2	SE
24	SSE	6·4	NE	ENE 1 SW 2	S 1 S 1	SE 3	Calm 0	E 3 E 3	SE
25	SSE	..	Calm	NE 1 SW 2	SW 1 S 2	SE 3	SE 4	E 3 E 3	SE
26	SSE	..	Calm	W 1 SW 1	S 1 SE 1	NE 3	SE 4	E 3 E 3	SE
27	SE	..	NE	Calm 0 S 1	S 1 SE 1	NE 4	Calm 0	E 3 E 2	Calm
28	SSE	..	NE	SW 1 S 1	E 1 SE 1	E 4	Calm 0	E 2 E 1	Calm
29	SE	..	N	NE 1 SW 1	SW 1 S 2	E 4	SE 2	SSE 3 E 3	Calm
30	SSE	..	Calm	Calm 0 Calm 0	SE 1 SW 2	E 4	SE 4	NE 3 E 2	S 4
31	SE	..	NE	Calm 0 Calm 0	SW 2 S 1	E 4	SE 4	E 3 E 3	SE
Mean	..	5·8	..	0·7 0·8	1·2 1·3	2·9	2·0	2·6 2·4	
§Resultant	150° (86)	..	10° (68)	225° (28)	165° (67)	90° (72)	135° (61)	85° (85)	135° (85)
§Normal	130° (86)	6·0	‖84° (73)	275° (18)	240° (42)	83° (79)	120° (73)	105° (56)	102° (82)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 632 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MAY 1919.

‡‡ *Barents Sea.*—In the eastern part the edge of the ice was more westerly than usual and in the northern part more northerly, passing 10 miles north of Bear Island and then following the 75½° parallel eastwards. Mainly close ice. The area covered was 1,057 × 10³ sq. km. compared with a normal of 981 × 10³ sq. km.

‡‡ *White Sea.*—Scattered drift ice still in the entrance from Cape Sviatoj to Cape Kabib where there was a land water 3 miles wide.

‡‡ *Spitsbergen.*—Outside a narrow land water there was a belt of broken ice from South Cape to Prince Charles Foreland, at first 30 miles wide but by the 31st 50 miles wide. Foreland Sound and Green Harbour still had firm ice though the entrance was open and the ice in Icefjord had begun to break up.

‡‡ *Iceland.*—The coasts were free of ice except for a little scattered ice at Cape North during the first days. Ice was visible on 3 days, normal duration being 7 days visible, 2 days heavy.

‡‡ *Greenland Sea and Denmark Strait.*—The position of the edge of the ice, which was to the east of Jan Mayen and 60 miles north of Cape North (Iceland), was about normal. The edge consisted of alternating masses of scattered thin ice and heavy close ice. In Denmark Strait the edge of the ice reached 65° N. in 30° W. At Angmagsalik the ice was closely packed and in quick motion. Icebergs were numerous. The area covered was 1,011 × 10³ sq. km. compared with a normal of 1,062 × 10³ sq. km.

‡‡ *N. Atlantic and Labrador.*—Icebergs numerous on the Newfoundland Banks especially from Cape Race southward to 45½° N.

‡‡ *Davis Strait.*—The ice belt 60–100 miles wide in places extended from Cape Farewell to Fiskernaes leaving a landwater of varying width. At Godthaab and Sukkertoppen the sea was free of ice. At Holstenborg in Disko Bay and Umanakfiord the ice began to break up and by the 31st the ice drifted offshore at Upernivik.

‡‡ *Bering Sea.*—Edge of ice lay along 59° parallel, but a vessel worked her way to St. Lawrence Island, south of which there was open water, and north, packed ice. Bristol Bay was free of ice during the beginning of May.

‡‡ *Isforholdene i de Arktiske Have, 1919*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JUNE 1919.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JUNE 1919 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **JUNE—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 27	66 40	?	1007·8	..	−0·5	..	278·5	30th	..	268·5	3rd, 7th	..	*273·5*	..	17	..
124	Upernivik	72 47	W56 7	18·9	1005·9	1008·2	−4·0	276·6	285·3	23rd	270·6	267·3	3rd	273·6	*273·2*	−1·6	7	— 6
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1012·6	1014·0	+1·1	..	282·0	18th	273·9	266·7	2nd	..	275·6	+0·9	25	+ 12
140	Gjesvaer	71 6	25 22	6·5	1012·6	1013·4	+0·2	..	301·3	27th	280·9	275·0	4th	..	*284·7*	+4·9	25	— 12
141	Mehavn	71 1	27 47	6·4	1013·0	1013·8	+0·6	..	298·5	27th	280·8	274·2	4th	..	*283·4*	+4·3	13	— 30
142	Vardö	70 22	31 8	10·0	1013·6	1014·8	+1·4	..	289·0	28th	279·1	274·8	4th	..	*280·4*	+1·7	14	— 24
143	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
147	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Maudhavn	77 33	105 40	2·5	1017·5	1017·8	+9·1	..	276·2	18th	268·4	264·2	5th	..	*270·9*	..	..	..
157		N.	E.															

Between Latitude 70° N. and 60° N. **JUNE—ZONE 2.**

202	Gambel				..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Candle	64 30	165 24	6·7	..	1017·6	+6·1	280·1	285·8	22nd	275·1	271·9	1st, 19th	277·6	*277·8*	−3·1	45	+ 15
206	Tanana	65 55	161 57	2·4	..	..	..	281·8	288·6	27th	274·6	270·8	sev. dates	278·2	..	..	25	..
	Rampart	65 10	152 6	67·1	..	1015·9	+3·5	288·9	296·3	29th	276·3	270·8	21st	282·6	*283·3*	−4·2	36	+ 9
		65 30	150 15	122	..	..	..	289·7	298·0	27th, 29th	277·9	273·0	9th, 21st	283·8	..	..	31	+ 8
207	Valdez				..	..	..	..	..	..	..	..	..	..	..	..	..	..
208	Eagle	61 7	146 16	8·2	..	1017·6	+2·2	286·3	293·0	9th	278·8	276·9	7, 19, 22	282·5	*282·8*	−1·2	41	— 10
209	Dawson	64 46	141 12	254	..	1012·5	+2·2	289·9	299·1	29th, 30th	277·4	270·8	10th, 17th	283·7	..	−2·4	40	+ 3
210	Carcross	64 4	139 20	328	973·8	1012·7	+0·2	291·3	300·2	30th	277·4	270·2	10th	284·4	..	−2·5	51	+ 23
211	Fort Good Hope	66 14	128 40	662	..	..	..	288·8	291·9	sev. dates	275·9	271·3	3rd	282·3	..	−1·0	42	+ 27
212	Fort Simpson	60 11	134 34	..	..	..	..	288·0	296·9	25th	276·9	270·2	10th	282·4	..	..	25	+ 15
		66 25	128 53	65·2	1007·4	1015·4	..	290·8	298·6	19th	278·6	273·0	11th, 18th	284·7	..	−1·4	37	— 9
213	Hay River	61 52	121 35	129	996·1	1011·7	..											
		60 51	115 20	161	991·7	1011·3	..	285·2	303·6	20th	275·8	268·0	2nd	280·5	..	−2·5	65	..
225	Jacobshavn	69 13	51 2	12·6	1005·9	1007·5	−4·4	277·5	282·9	24th	273·0	269·7	5th	275·3	*275·2*	−2·5	22	+ 1
227	Godthaab	64 11	51 43	9·0	1003·8	1004·9	−4·9	279·2	282·2	20, 21, 23	272·6	270·4	11th, 12th	275·9	*275·3*	−2·1	..	..
229	Ivigtut	61 12	48 10	5·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Angmagsalik	65 37	37 33	31·7	1001·0	1004·9	−8·9	281·7	284·6	16th	274·5	271·2	28th	278·1	*277·6*	−0·7	83	+ 30
231	Stykkisholm	65 5	22 46	11·3	1005·4	1006·8	−3·9	285·2	289·5	2nd, 4th	278·6	274·5	14th	281·9	*281·5*	+0·7	92	+ 54
233	Vestmanno	63 26	20 15	7·7	1005·4	1006·3	−4·9	286·2	291·3	30th	279·9	276·9	17th	283·1	*282·3*	+0·2	108	+ 27
234	Grimsey	66 33	17 58	22	1002·6	1005·3	−6·4	282·5	286·1	29th	276·5	272·7	10th	279·5	*279·3*	+0·8	0	— 18
235	Berufjord	64 40	14 19	18·0	1004·3	1006·5	−5·5	286·2	294·5	3rd	277·8	273·8	24th	282·0	*282·2*	+1·9	42	— 23
236	Thorshavn	62 3	6 45	26·3	1006·6	1009·8	−4·5	285·1	289·4	4th	279·9	274·8	2nd	282·5	*282·2*	+0·2	92	+ 27
	Lerwick	60 9	W 1 8	18·0	1011·1	1013·2	−0·8	285·3	289·1	7th	281·2	278·0	1st	283·3	*283·1*	+0·6	63	+ 18
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1006·8	1012·2	−1·7	287·6	293·8	7th	281·6	278·3	1st	284·6	*284·2*	−1·7	132	+ 43
238	Christiansund	63 7	7 45	17·8	1009·6	1011·7	−2·2	..	293·0	13th	281·2	277·6	1st	..	*283·8*	−0·4	98	+ 47
239	Trondhjem	63 26	10 25	39·5	1006·8	1011·6	−1·8	288·8	296·8	13th	280·8	277·2	2nd	284·8	*284·2*	−0·7	79	+ 33
240	Bodö	67 17	14 24	22·4	1008·4	1011·1	−2·8	..	296·2	30th	280·7	277·0	1st	..	*283·8*	+0·9	59	+ 6
241	Haparanda	65 50	24 9	9·2	1010·3	1011·4	−1·0	291·4	301·5	29th	282·1	277·5	7th, 12th	286·7	*286·8*	+2·1	31	— 3
242	Helsingfors	60 10	24 57	11·7	1010·2	1011·6	−1·2	290·8	296·5	22nd	283·6	280·2	8th	287·2	287·1	+0·2	73	+ 29
242a	Kuopio	62 54	27 40	90·3	1000·6	1011·4	−1·6	292·8	299·1	29th	284·4	279·4	5th	288·6	*288·5*	+2·2	100	+ 45
243	Kola	68 53	33 1	6·7	1013·8	1014·6	+2·3	289·9	299·5	29th	280·7	272·8	5th	285·3	*285·5*	+3·7	39	+ 11
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	6·2	1012·0	1012·7	+0·7	294·9	304·3	23rd	284·0	273·3	13th	289·4	*289·6*	+4·7	44	— 1
246	Mezen	65 50	44 16	12·6	1012·2	1013·7	+1·6	292·7	302·8	23rd	279·2	270·3	5th	285·9	*286·9*	+4·9	44	+ 9
247	Oust-Tsylma	65 25	52 14	? 70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
248	Tcherdyn	60 24	56 31	?177	990·8	1011·7	+1·8	295·5	305·2	23rd	282·4	273·2	12th	289·0	*289·3*	+2·7	43	— 9
249	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252					..	..	..	..	..	..	..	..	..	..	..	..	..	..
253	Doudinka	69 23	86 4	20	1005·1	1007·5	−2·0	..	285·2	29th	273·3	266·4	2nd, 7th	..	*275·6*	..	14	..
254	Touroukhansk	65 47	87 57	45	1002·2	1007·7	−1·4	..	294·4	14th	277·2	270·1	3rd	..	*281·8*	+0·3	32	— 8
262	Iakoutsk	62 1	129 43	108	..	..	..	..	301·5	27th	279·2	269·0	3rd	..	*286·6*	+1·0	10	— 13
263	Verkhoiansk	67 33	133 23	100	993·0	1004·9	+0·5	..										
271					..	..	..	..	..	..	..	..	..	..	..	..	..	..
272	Markovo-sur-Anadyr	64 45	170 50	25·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Novo-Mariinskii Post	64 45	177 33	22·7	1013·6	1016·4	+5·0	276·9	281·6	7th	273·4	268·9	5th	275·2	‡*275·7*	−2·3	62	+ 44
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

JUNE—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	36	..
302	St. Paul Island	57 15	170 10	6·1	..	1021·3	+ 8·6	280·1	285·8	28th	275·6	271·3	4th	277·8	..	..	15	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1025·4	+10·2	283·7	289·7	28th	277·6	273·6	3rd	280·7	..	+ 0·2	..	..
304																	..	..
305	Dillingham	59 0	158 28	24·4	..	..	..	?290·4	294·7	13th	?279·3	?276·3	18th	?284·9	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	1016·9	+ 2·8	287·8	293·6	16th	280·2	276·9	7th	284·0	..	..	‡51	..
309	Sitka	57 3	135 19	27·4	..	1018·3	+ 1·7	286·8	291·9	22nd	279·4	276·3	12th, 16th	283·1	*282·9*	−0·5	43	..
310	Prince Rupert	54 18	130 18	51·8	1010·3	1016·7	+ 0·1	285·8	290·2	17th	279·7	276·3	4th, 5th	282·7	*282·7*	−2·2	129	..
311	Barkerville	53 2	121 35	1274	871·0	1017·3	+ 3·9	287·4	298·0	19th	274·7	271·9	1, 4, 8	281·1	*280·7*	−2·0	96	..
312	Kamloops	50 42	120 29	385	973·4	1018·5	+ 2·6	296·9	308·6	19th	281·9	276·9	10th	289·4	*289·4*	−1·7	17	..
313	Calgary	51 2	114 2	1045	894·0	1012·1	+ 1·6	298·0	307·4	20th, 21st	278·6	270·2	1st	288·3	*287·6*	+2·0	7	..
314	Fort Chipewyan	58 42	111 10	218	985·3	1011·2	..	290·8	304·1	20th	280·2	270·2	1st	285·5	*286·3*	+0·3	59	..
315	Prince Albert	53 10	105 38	442	960·9	1011·8	+ 2·8	299·1	306·9	23rd	283·6	271·9	2nd	291·3	*291·1*	+3·8	53	..
316	Qu'Appelle	50 30	103 47	645	938·7	1012·1	+ 0·8	299·7	307·4	27th	283·6	273·6	1st, 2nd	291·6	*291·1*	+3·3	55	..
317	Minnedosa	50 15	99 50	515	955·3	1014·5	+ 3·0	298·0	303·6	16th	284·1	270·8	3rd, 4th	291·1	*290·9*	+2·0	55	..
318	Berens River	52 18	97 23	216	..	..	..	298·2	303·0	19th	278·7	273·0	3rd	288·4	..	+1·3	44	..
318*a*	Port Nelson	57 4	92 36	14·9	1014·2	1016·0	+ 2·7	291·9	305·8	22nd	278·6	271·9	2nd	285·2	..	+6·1	94	..
319	Fort Hope	51 33	87 49	‡260	987·1	1020·3	..	296·9	306·3	17th	283·6	275·8	5th, 27th	290·2	*290·8*	+4·8	62	..
320	Moose Factory	51 14	80 30	9·1	1016·7	1017·8	+ 3·6	295·8	308·0	1st, 2nd	280·8	273·0	21st	288·3	..	+2·7	38	..
321	Fort George	53 50	79 5	97·5	..	..	..	289·1	300·8	18th	278·6	271·9	3rd	283·8	*283·7*	..	36	..
322	Mistassini Post	50 15	73 55	383	..	..	..	297·4	305·8	2nd	280·1	266·9	28th	288·7	..	+3·8	39	..
323																	..	..
324	Natashquan	50 8	61 48	6·1	..	..	..	288·5	298·6	15th	278·2	273·6	2nd, 12th	283·3	..	+0·8	30	..
326	Belle Isle	51 53	55 23	133	997·9	1014·5	+ 3·7	280·1	286·3	26th	270·1	266·3	2nd	275·1	*275·4*	−3·0	85	..
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1021·5	1023·2	+ 7·3	288·9	293·0	2nd	283·6	278·6	14th	286·3	286·3	−0·4	54	..
335	Aberdeen	57 10	W 2 6	26·8	1012·2	1015·5	+ 0·6	288·8	293·6	6th	281·8	278·6	1st	285·3	285·1	+0·3	34	..
336	Greenwich	51 28	0 0	46·3	1015·0	1020·5	+ 4·4	294·7	301·9	11th	282·5	275·8	4th	288·6	288·3	+0·1	40	..
337	Uccle	50 48	E 4 22	100	1007·5	1019·5	+ 3·3	296·2	305·7	13th	282·8	277·6	22nd	289·5	288·4	+0·4	49	..
338	De Bilt	52 6	5 11	3·0	1018·5	1018·9	+ 3·1	293·5	305·5	13th	282·5	276·2	15th	288·0	287·4	−1·1	46	..
338*a*	Hamburg	53 33	9 58	26·0	1013·3	1016·4	+ 1·4	292·6	303·4	12th	284·5	280·5	3rd	288·5	*288·3*	−0·6	37	..
339	Copenhagen	55 41	12 36	5·0	1013·1	1013·7	− 0·5	290·8	298·3	17th	284·5	280·4	3rd	287·7	287·7	−0·2	46	..
340	Potsdam	52 23	13 4	84·9	1006·2	1016·4	+ 1·4	294·9	305·3	18th	283·9	279·3	30th	289·4	288·9	−0·3	50	..
340*a*	Upsala	59 51	17 38	24	1007·6	1010·5	− 2·5	291·5	296·6	16th	281·1	275·7	2nd	286·3	286·5	−0·5	104	..
341	Warsaw	52 13	21 1	133	999·5	1015·2	+ 1·1	294·1	301·9	10th	284·1	279·4	4th	289·1	289·2	−1·5	81	..
342	Dorpat (Jurjev)	58 23	26 43	74·5	1003·7	1012·6	− 0·1	293·6	303·6	22nd	282·7	277·5	3rd	288·2	287·8	−0·2	73	..
343	Petrograd	59 56	30 16	4·8	1011·2	1011·8	− 0·6	293·7	301·9	22nd	285·4	280·7	14th	289·6	*289·2*	+1·5	86	..
344	Kiev	50 27	30 30	183	992·3	1014·0	+ 1·6	294·3	300·1	27th	285·1	280·6	1st	289·7	*289·1*	−1·8	117	..
344*a*	Moscow	55 50	37 33	167	993·1	1012·8	+ 0·6	295·5	300·8	21st	284·1	277·2	15th	289·8	*289·9*	+0·6	90	..
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1002·8	1012·2	+ 2·3	299·1	304·0	23rd	287·6	284·5	2nd	293·4	*293·0*	+2·8	52	..
347	Orenburg	51 45	55 6	109	997·6	1010·5	+ 1·3	297·3	302·4	22nd	286·2	281·3	15th	291·8	*291·6*	−0·1	88	..
348	Perm	58 1	56 16	159	993·1	1011·9	+ 2·7	..	301·8	23rd	284·1	273·9	12th	..	*289·6*	+1·4	46	..
349	Ekaterinburg	56 50	60 38	281	978·3	1011·5	+ 1·2	293·4	304·5	24th	281·5	272·6	12th	287·4	*287·5*	0·0	24	..
350	Tobolsk	58 12	68 14	?108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	996·7	1007·2	− 2·7	..	305·2	25th	282·5	271·7	8th	..	*287·7*	−1·7	110	..
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	990·6	1005·2	− 3·9	..	300·1	20th	280·7	272·2	9th	..	*285·9*	−1·7	..	..
355	Minousinsk	53 43	91 41	249	977·2	1006·3	− 4·3	..	299·8	29th	283·6	275·7	2nd	..	*288·7*	..	74	..
356	Eniseisk	58 27	92 10	77·6	994·8	1004·1	− 5·6	..	298·0	19th	279·3	270·2	9th	..	*285·7*	−2·2	46	..
357	Irkutsk	52 16	104 19	467	951·2	1005·1	− 4·3	..	301·6	28th	280·5	273·4	11th	..	*287·6*	0·0	..	..
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	681	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	933·9	1005·2	− 0·7	..	300·2	29th	281·0	273·3	4th	..	*288·8*	+0·6	41	..
361	Tygan Ourkan	54 5	124 46	379	960·8	1004·9	..	295·1	303·0	22nd	276·8	267·5	3rd	286·0	*287·4*	..	36	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	987·1	1003·7	− 1·1	296·7	303·6	30th	284·0	277·2	4th	290·4	*290·5*	+0·2	126	..
363	Paikanskii Sklad	50 11	130 7	145	..	..	..	..	..	..	..	..	..	..	..	..	..	..
364																	..	..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1007·0	1009·5	+ 1·2	..	290·6	23rd	278·2	272·8	10th	..	*281·8*	−2·6	55	..
366	Okhotsk	59 21	143 12	6·0	1009·9	1010·6	− 2·2	278·9	287·3	21st	275·2	271·8	6th	277·0	*277·7*	−2·0	19	..
367																	..	..
368	Petropavlovsk (Radio)	53 0	158 39	13·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
369																	..	..
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

JUNE—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1010·1	1018·7	+ 1·8	289·7	294·1	12th	281·3	279·1	7th	285·5	285·0	−1·1	13	− 11
412	Portland, Oregon	45 32	122 41	46·6	1013·3	1018·6	+ 1·5	294·6	301·3	18th	283·2	279·7	29th	288·9	*288·7*	−0·6	23	− 20
413	Macleod	49 44	113 24	953	..	..	..	299·1	311·3	22nd	282·1	273·6	12th	290·6	*290·8*	+3·5	10	− 61
414	Helena	46 34	112 4	1253	872·9	1012·2	− 0·1	299·3	309·7	21st	284·0	274·7	1st	291·7	*291·4*	+3·2	8	− 54
415	Salt Lake City	40 46	111 54	1329	865·3	1009·8	− 1·1	303·1	309·7	24th	289·7	275·8	1st	296·4	*296·5*	+3·4	0	− 22
416	Cheyenne	41 8	104 48	1856	815·2	1013·5	+ 3·3	298·1	305·2	28th	281·9	270·8	3rd	290·0	*289·6*	+0·2	18	− 20
416*a*	North Platte	41 8	100 45	859	917·9	1015·6	+ 3·9	300·2	309·1	25th	287·2	276·3	2nd	293·7	*293·3*	+0·1	105	+ 23
417	Bismarck	46 47	100 38	511	955·8	1015·2	+ 2·9	300·3	309·7	24th	286·9	274·7	2nd	293·6	*293·4*	+2·5	16	− 75
418	Winnipeg	49 53	97 7	232	987·5	1014·5	+ 2·0	299·7	304·7	16th	286·3	274·7	3rd	293·0	*292·7*	+3·2	126	+ 43
	Duluth	46 47	92 6	345	977·3	1018·3	+ 4·6	291·9	302·4	18th	283·1	278·0	28th	287·5	*287·4*	+0·4	96	+ 1
419	Port Arthur	48 27	89 12	196	995·6	1018·9	+ 4·8	294·7	303·6	14th	284·7	277·4	28th	289·7	*289·1*	+3·0	30	− 38
420	Chicago	41 53	87 37	251	988·4	1017·9	+ 3·3	298·7	304·1	14th	292·4	285·8	28th	295·6	*295·5*	+3·3	80	− 8
421	Toronto	43 40	79 24	116	1005·4	1019·0	+ 4·7	301·3	307·4	3rd, 14th	280·1	281·3	28th	295·2	295·0	+5·2	69	− 1
422	New York (Central Park)	40 46	73 58	30·2	1016·2	1019·7	+ 4·0	299·5	308·0	4th	289·7	284·1	29th	294·6	294·1	0·0	98	+ 13
423	St. John, N.B.	45 17	66 4	36·2	1015·1	1019·5	+ 5·6	291·3	301·9	4th	281·9	275·8	1st	286·6	285·9	0·0	74	− 9
424	S.W. Point, Anticosti	49 24	63 33	9·1	1017·4	1018·5	+ 6·8	285·8	293·0	17th	280·2	275·2	1st	283·0	*283·1*	+0·5	37	− 22
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1020·5	1021·4	+ 6·0	285·8	290·8	16th	280·2	276·3	19th	283·0	*282·5*	−0·5	260	+173
425	Port aux Basques	47 35	59 10	9·1	1017·5	1018·6	+ 4·4	286·3	294·7	4th	278·6	275·8	10th	282·4	*282·3*	+0·5	91	− 18
426	St. John's, Newfoundland	47 34	52 42	38·1	1013·0	1017·7	+ 5·6	286·9	294·1	9th, 10th	276·9	270·8	19th	281·9	*281·2*	−0·9	104	+ 14
435	Madrid	40 24	3 41	655	943·6	1017·4	+ 1·6	305·5	309·6	23rd	286·8	281·0	5th	296·1	295·6	+2·7	12	− 23
436	Nantes	47 15	W 1 34	36·5	1017·9	1022·3	+ 4·9	295·1	303·2	11th	283·2	278·5	27th	289·2	289·3	−0·5	13	− 43
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1015·6	1021·6	+ 4·6	296·4	304·6	8th	283·6	278·0	4th	290·0	290·0	+0·5	11	− 44
438	Marseilles	43 18	5 23	75	..	1017·2	+ 2·2	300·0	304·9	11th	287·2	281·8	5th	293·6	*293·5*	+0·7	9	− 36
439	Zurich	47 23	8 33	493	962·7	1020·1	+ 2·9	296·6	304·0	17th, 20th	283·8	279·2	26th	290·2	289·5	−0·1	96	− 39
440	Rome	41 54	12 27	45	1012·4	1017·8	+ 2·4	300·2	304·1	11, 21, 22	289·2	284·2	28th	294·7	*294·9*	+0·1	12	− 29
440*a*	Vienna	48 15	16 22	203	993·0	1017·0	+ 2·3	294·1	302·0	21st	285·4	281·9	23rd	289·7	289·7	−1·0	72	+ 1
441	Buda-Pesth	47 31	19 2	130	1001·2	1016·6	+ 2·7	297·4	304·8	20th	285·6	281·8	26th	291·5	*291·6*	−0·2	23	− 48
442	Sofia	44 25	26 5	82	1005·4	1015·1	+ 2·1	299·1	304·8	14th	286·7	282·1	1st	292·9	292·4	−1·1	81	− 8
443	Odessa (University)	46 26	30 46	42·8	1008·4	1013·5	+ 0·8	294·0	299·4	11th	286·8	281·9	2nd	290·4	*290·1*	−2·8	99	+ 43
444	Kharkov (University)	50 0	36 14	140	996·4	1013·0	+ 1·0	296·3	302·1	28th	285·2	280·0	14th	290·8	*290·2*	−0·6	40	− 24
444*a*	Novorossiisk	44 44	37 49	37·1	1009·4	1013·8	+ 0·6	294·3	298·3	29th	287·3	283·0	14th	290·8	*290·7*	−2·0	118	+ 56
445	Tiflis	41 43	44 48	404	966·4	1012·9	+ 0·5	297·7	305·4	30th	284·6	281·9	8th	291·2	*292·1*	−2·2	121	+ 49
446	Astrakhan	46 21	48 2	− 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 16	− 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	− 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	56	1004·0	1010·6	− 0·7	299·8	309·1	25th	289·1	282·2	8th, 9th	294·4	*294·6*	−2·8	27	..
450	Tachkent	41 20	69 18	478	953·2	1007·0	− 0·5	305·2	310·9	2nd	289·4	283·4	10th	297·3	*296·7*	−0·7	16	+ 4
451	Narynskoe	41 26	76 2	?2015	794·0	..	..	..	..	..	289·0	280·1	6th	286·6	286·1	−0·8	81	+ 11
452	Vernyi	43 16	76 53	841	..	..	..	298·0	306·3	3rd	286·7	282·1	30th	292·4	*292·2*	..	43	..
461	Mukden	41 48	123 23	43·8	998·3	1003·4	− 0·9	300·9	306·5	24th	288·7	281·8	6th	294·8	294·7	+0·3	202	+119
462	Joshin	40 40	129 11	4·0	1005·9	1006·4	− 0·1	292·7	301·0	3rd, 24th	285·7	282·1	8th	289·2	288·6	0·0	48	− 11
463	Yuki	42 20	130 24	65·6	998·8	1006·7	..	291·4	303·0	24th	284·3	279·8	7th	287·9	287·4	..	115	..
464	Vladivostok	43 7	131 55	128	991·6	1006·9	− 1·4	289·9	299·4	24th	283·2	280·1	6th	286·6	286·1	−0·8	81	+ 11
465	Ochiai	47 20	142 46	6·6	1007·4	1008·2	− 0·9	288·0	295·1	2nd	278·8	274·5	11th	283·4	283·4	−0·1	167	+ 79
465*a*	Nemuro	43 20	145 35	26·7	1005·9	1009·1	− 1·0	286·4	293·2	7th	279·9	276·9	12th	283·1	282·6	−0·3	151	+ 55
466	Syana	45 14	147 53	39·3	1004·2	1009·0	− 1·2	285·9	294·3	2nd	277·1	272·2	13th	281·5	281·5	−0·8	63	+ 2
		N.	E.															

Between Latitude 40° N. and 30° N.

JUNE—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1009·5	1015·2	+ 0·7	291·3	304·1	1st	283·3	281·9	30th	287·3	*286·6*	−0·5	0	− 5
512	San Luis Obispo	35 18	120 39	61·3	1007·3	1014·5	0·0	297·6	308·6	2nd	281·7	277·4	11th	289·7	*287·9*	−0·9	0	− 3
513	San Diego	32 43	117 10	26·5	1009·3	1012·5	− 0·4	295·4	305·8	3rd	288·6	286·9	22nd	292·0	*291·5*	+0·8	0	− 1
514	Modena	37 48	113 54	1670	833·0	1010·8	+ 1·1	301·9	306·9	23rd	279·9	274·7	1st	290·9	*290·9*	+0·7	3	− 5
515	Santa Fé	35 41	105 57	2138	789·7	1011·5	+ 2·1	297·3	303·6	22nd	283·2	273·6	1st	290·3	*289·6*	−2·4	38	+ 11
516	Denver	39 45	105 0	1613	838·8	1013·9	+ 3·2	300·6	308·6	30th	285·0	273·0	1st	292·8	*291·8*	−0·3	7	− 28
517	Abilene	32 23	99 40	530	954·5	1014·5	+ 2·8	302·3	308·6	7th	290·9	279·7	3rd	296·6	*295·6*	−3·1	79	+ 12
518	Saint Louis	38 38	90 12	173	996·0	1016·2	+ 1·9	303·1	306·3	25th	293·3	288·6	5th	298·2	*297·8*	+0·9	135	+ 28
519	Mobile	30 41	88 2	17·4	1014·2	1016·2	+ 1·0	303·7	308·6	16th	295·6	292·4	11th	299·7	*298·9*	−0·3	54	− 87
520	Nashville	36 10	86 47	166	998·4	1017·9	+ 2·5	303·7	307·4	17th	293·7	290·2	9th	298·7	*298·1*	+0·4	101	− 7
521	Charleston	32 47	79 56	14·6	1016·2	1017·9	+ 1·7	301·2	306·3	21st	295·3	290·8	14th	298·2	*298·5*	−0·3	161	+ 33
522	Washington	38 54	77 3	34·1	1015·8	1019·6	+ 4·2	301·4	306·9	3rd	291·1	283·0	30th	296·3	*296·2*	+0·6	87	− 21
530	Bermuda	32 17	64 46	46·0	1014·2	1019·6	+ 0·2	298·6	301·3	11th	293·0	290·2	1, 4, 24	295·8	*295·8*	−1·6	72	− 39
531	Santa Cruz (Flores)	39 27	31 9	28	1026·7	1029·9	+ 4·1	295·1	301·6	21st	290·2	286·9	14th	292·6	*292·7*	+0·2	85	+ 12
532	Horta	38 32	28 38	65	1021·9	1029·3	+ 5·2	295·6	299·0	20th	289·9	288·0	15th	292·7	292·3	+0·2	12	− 50
532*a*	Ponta Delgada	37 44	25 40	22	1026·5	1028·3	+ 4·8	294·1	296·2	11th	289·4	287·5	16th	291·8	291·6	−0·1	..	..
533	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	36	− 18
534	Madeira (Funchal)	32 37	16 54	25	1020·0	1023·0	+ 2·4	294·7	301·0	11th	290·4	288·6	18th	292·6	*292·6*	−0·1	0	− 11
535																	..	..
536	Lisbon	38 43	9 9	95	1007·0	1018·2	+ 0·6	299·7	307·1	24th	290·1	286·4	15th	294·9	*294·3*	+2·3	18	− 2
536*a*	Gibraltar	36 6	5 21	16·2	1016·7	1018·6	+ 1·0	297·6	301·9	30th	290·6	286·3	4th, 5th	294·1	*293·7*	−0·3	4	− 8
536*b*	Melilla	35 18	2 59	8	‡1018·5	‡1019·4	+ 0·7	298·0	300·2	sev. dates	288·1	286·2	5th, 6th	293·1	*292·9*	−3·8	16	+ 10
		N.	W.															

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1016·3	1019·0	+ 2·3	301·2	306·6	21st	289·6	285·2	6th	295·4	..	+0·5	2	..
538	Algiers (Bouzaréah)	36 48	3 2	343	978·0	1017·5	+ 1·6	295·9	303·8	26th	289·6	287·3	1st	292·8	292·1	−0·9	21	..
539	Tunis	36 48	10 10	21	1015·9	1018·4	..	300·7	310·0	26th	289·0	285·0	6th, 7th	295·3	*294·9*	−0·9	4	..
539a	Malta	35 54	14 31	56·4	..	1016·9	+ 0·9	300·0	308·0	24th	291·8	289·1	1st, 2nd	295·9	*295·0*	+0·3	0	..
540	Riposto	37 41	15 14	14·2	..	1020·0	+ 3·3	297·8	300·6	26th	288·3	288·6	2nd	293·1	*293·4*	−1·3	1	..
541	Athens	37 58	23 43	107	1002·9	1015·4	+ 2·9	300·9	308·5	28th	291·8	288·3	8th	296·4	296·2	−0·7	16	..
542	Alexandria	31 12	29 53	32·0	1011·1	1014·8	+ 2·1	300·1	309·5	6th	292·4	289·4	1st	296·3	*295·8*	−0·7	0	..
543	Cairo (Helwan)	29 52	31 20	116	1000·0	1013·4	+ 2·7	306·4	315·7	6th	291·2	288·2	9th	298·8	298·4	−1·6	0	..
544	Nicosia (P.W.D.)	35 9	33 22	159	..	1010·5	+ 1·5	304·9	312·4	28th, 29th	289·8	284·7	9th	297·3	..	−0·8	1	..
544a	Beirut	33 54	35 28	33·7	..	1012·7	+ 2·4	299·6	302·3	6th	292·2	288·7	1st	295·9	*295·7*	−1·4	0	..
545	Baghdad	33 21	44 28	38·1	..	1005·2	+ 0·9	310·6	318·3	30th	296·7	291·5	13th	303·7	*302·2*	−1·7	0	..
546	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546a	Lenkoran	38 46	48 52	—20	1013·6	1011·3	+ 0·4	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	..	..	..	290·0	287·6	3rd	..	*295·0*	−1·2	6	..
548	Meshed	36 16	59 35	946	..	..	..	307·3	311·1	22nd	292·3	287·4	13th	299·8	*299·4*	−0·1	0	..
549	Seistan	31 0	61 30	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
550	Quetta	30 11	67 3	1677	..	..	..	313·1	319·8	10th	297·2	290·4	24th	305·1	..	..	0	..
551	Peshawar	34 2	71 37	339	959·0	..	— 0·2	309·2	311·6	11th	288·2	283·9	13th	298·7	*298·3*	+2·1	0	..
551a	Lahore	31 34	74 20	214	972·2	995·4	— 3·1	319·3	321·6	11th, 17th	300·0	295·7	7th	309·6	*309·4*	+3·5	2	..
552	Simla	31 7	77 8	2205	776·9	995·2	— 2·5	317·1	320·5	4th	303·3	295·6	1st	310·2	*310·0*	+3·1	0	..
552a	Leh	34 10	77 47	3503	665·9	..	— 0·8	296·2	300·1	4th	289·9	286·0	25th	293·1	*292·7*	+0·4	219	..
						..	+ 0·3	296·6	301·4	15th, 16th	281·3	276·9	1st, 5th	288·9	*288·3*	+1·5	1	..
559	Hankow	30 35	114 17	37·0	999·8	1004·0	— 1·4	302·6	308·0	11th	295·9	293·3	4th	299·3	*298·8*	+0·1	380	+89
560	Tientsin	39 10	117 10	5·0	1002·6	1003·2	— 1·3	304·6	312·6	28th	292·6	287·5	1st	298·6	*297·8*	+0·6	42	+11
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1003·5	— 2·8	301·9	310·6	10th	293·5	290·7	4th	297·7	297·1	+1·1	308	+83
562	Jinsen (Chemulpo)	37 29	126 37	67·6	997·6	1005·6	— 1·3	297·9	301·7	7th	289·4	285·0	6th	293·6	292·9	+0·6	83	..
562a	Nagasaki	32 44	129 52	133	990·8	1006·2	— 2·2	298·7	302·4	1st	292·0	289·8	5th	295·4	294·8	+0·3	240	..
563	Kioto	35 1	135 44	42·9	1002·2	1007·2	— 1·4	300·1	305·9	30th	289·7	281·3	2nd	294·9	294·2	+0·2	195	..
564	Tokio	35 41	139 45	21·3	1005·5	1008·0	— 1·2	297·2	303·0	7th	288·9	283·0	15th	293·1	292·9	−0·6	119	..
565	Kanayama	37 53	140 46	24·6	1005·4	1008·3	— 0·9	295·2	302·8	25th	286·5	279·0	2nd	290·9	290·6	−0·7	45	..
566	Miyako	39 38 N.	141 59 E.	30·4	1004·3	1007·9	— 1·5	293·5	301·2	30th	284·8	278·5	13th	289·1	288·8	0·0	80	..

JUNE—ZONE 6.

Between Latitude 30° N. and 20° N.

601	Midway Island	28 15 N.	177 22 W.	5·8	..	1015·6	— 2·4	299·3	301·9	26th	291·0	288·0	2nd	295·2	..	..	98	..
605	Honolulu	21 19	157 52	11·6	1015·6	1016·9	— 0·3	300·9	302·4	..	295·6	293·0	..	298·2	*298·0*	+0·6	22	..
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	859·3	1008·7	..	303·3	305·5	11th	290·4	284·7	3rd	296·8	*296·9*	..	21	..
616	Leon	21 7	101 41	1809	821·3	1006·8	+ 1·1	301·3	305·9	1st	288·9	287·0	2nd	295·1	*294·5*	−0·4	234	..
616a	Monterry	25 40	100 18	528	952·8	1011·0	..	304·6	310·2	1st	294·9	286·0	2nd	299·7	*298·8*	..	109	..
617	Tulancingo	20 5	98 22	2180	792·0	..	..	..	302·0	..	..	282·0	..	..	291·7	+1·1	92	..
618	Galveston	29 18	94 50	16·5	1013·0	1015·2	+ 1·0	300·5	303·0	17th	295·9	288·0	3rd	298·2	*298·3*	−1·9	393	..
618a	New Orleans	29 57	90 4	16·2	..	1015·2	+ 0·5	303·2	306·3	29th	296·2	294·1	4th	299·7	*299·2*	−0·2	114	..
619	Merida, Yuc.	20 58	89 38	22	1010·0	1012·4	..	304·4	307·6	1st	296·6	295·4	22nd	300·5	*300·0*	..	310	..
620	Havana	23 8	82 21	24·3	..	1015·1	0·0	302·8	304·6	8th	296·8	295·7	24th	299·8	*299·4*	0·0	170	..
620a	Key West	24 33	81 48	6·7	1014·4	1015·2	— 0·3	302·6	304·7	30th	297·3	294·7	19th	299·9	*299·8*	−1·1	280	..
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·9	+ 2·5	302·6	304·1	5th, 11th	297·2	295·8	15, 16, 27	299·9	*299·9*	−0·4	184	..
622	Watling Island	24 6	74 26	33·5	1013·0	1016·8	0·0	..	301·9	sev. dates	..	297·4	3rd	..	*300·3*	..	..	..
633	Izaña	28 19	16 30	2367	772·3	..	..	290·0	297·6	30th	281·0	276·3	3rd	285·5	*284·7*	..	0	..
634	La Laguna	28 28	W16 20	547	954·6	1017·5	0·0	295·2	303·0	12th	287·1	285·4	14th	291·1	*290·5*	−0·1	11	..
637	Insalah	27 1	E 2 21	?280	..	..	..	318·0	322·3	30th	298·3	292·4	5th	308·2	*308·6*	+0·6	0	..
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	997·3	1008·5	+ 1·0	?314·1	?321·0	29th	?297·0	?293·0	2nd	?305·5	*?305·2*	+0·1	..	..
644	Tor	28 14	33 37	1·9	1008·7	1008·9	+ 1·9	303·8	314·4	7th	295·1	292·4	4th	299·5	*298·4*	−1·2	..	..
647	Bushire	28 59	50 53	4·3	1000·5	1001·1	+ 0·2	304·2	307·7	2nd	299·3	294·6	5th	301·7	*301·0*	−1·4	0	..
648	Jask	25 44	57 47	4·0	999·3	999·7	— 0·4	307·5	311·0	14th	300·5	297·1	20th	304·0	*303·7*	−1·0	0	..
649	Robat	29 45	60 55	?	..	..	..	..	..	..	..	..	..	..	..	..	0	..
649a	Karachi	24 53	66 57	4·0	1000·2	1000·7	+ 0·3	304·4	306·2	3rd	300·3	298·9	11th, 12th	302·4	*301·7*	−1·0	0	..
650	Jacobadad	28 17	68 29	56·7	989·7	995·7	— 1·6	320·4	325·8	12th	302·6	300·2	13th	311·5	*311·0*	+1·3	27	..
651	Jaipur	26 56	75 52	436	951·8	998·6	— 1·1	314·2	317·7	6th	301·7	296·4	3rd	307·9	*307·2*	+1·7	389	..
652	Nagpur	21 8	79 5	310	966·5	1000·6	— 1·1	308·1	318·9	1st	298·4	293·2	18th	303·3	*302·3*	−1·4	35	..
653	Allahabad	25 25	81 51	94·1	988·6	998·9	— 0·3	..	..	..	302·2	298·3	9th	..	‡*305·3*	..	329	..
653a	Darjiling	27 3	88 18	2266	772·2	..	— 0·7	293·2	296·5	5th	287·7	285·4	1st	290·4	*290·0*	+1·4	7705	..
654	Calcutta	22 36	88 23	6·4	999·0	999·6	— 1·1	305·3	311·1	3rd	299·2	297·0	1st	302·2	*302·0*	−0·2	329	..
655	Gauhati	26 8	91 41	59·7	995·8	1002·6	— 0·6	305·7	308·4	3rd	298·7	297·0	1st, 13th	302·2	*301·5*	+1·1	316	..
655m	Cherrapunji	25 15	91 42	1314	862·8	..	— 0·5	295·7	299·2	4th	291·4	290·3	24th	293·6	*293·1*	+0·5	2145	..
655a	Akyab	20 11	92 56	6·1	1002·4	1003·1	— 1·2	303·7	309·4	1st	297·5	296·0	9th	300·6	*300·7*	−0·2	1550	..
656	Mandalay	21 59	96 0	76·2	995·9	1004·4	— 0·3	309·3	313·3	1st	299·5	295·4	7th	304·4	*303·6*	+1·1	82	..
656a	Tengyueh	24 59	98 35	1633	829·3	..	..	297·5	302·4	1st	290·2	288·0	2nd	293·8	*293·1*	..	227	..
657	Phu Lien	20 48	106 37	116	988·5	1001·6	— 2·1	305·8	311·0	25th	299·1	295·6	5th	302·5	*301·5*	+0·3	309	..
658	Moncay	21 31	107 51	9·0	1001·3	1002·3	— 1·6	304·7	307·8	28th	298·3	296·3	17th	301·5	*301·1*	+0·9	228	..
659	Hong Kong	22 18	114 10	33·2	..	1004·6	— 1·5	303·6	305·6	26th	299·3	297·0	1st	301·5	*301·1*	+0·9	275	..
660	Amoy	24 27	118 4	ca.3	1005·0	1005·3	— 1·5	303·1	305·2	23, 26, 30	299·1	296·9	18th	301·1	*300·9*	+0·9	245	..
661	Taihoku, Formosa	25 2	121 31	9·3	1004·7	1005·7	— 1·3	306·3	308·9	26th	296·9	294·9	9th	301·6	300·9	+1·2	281	..
661a	Basco (Santo Domingo)	20 28	121 59	18·7	..	1005·7	— 1·4	305·6	306·6	9th	298·6	296·5	4th	302·1	*302·1*	+0·7	32	..
662	Naha	26 13	127 41	10·5	1006·5	1007·7	— 1·1	305·0	307·3	27th	298·4	294·8	1st	301·7	301·4	+2·0	100	..
665	Titizima (Bonin Islands)	27 5 N.	142 11 E.	4·0	1010·4	1010·8	— 2·0	301·1	303·1	30th	295·5	290·1	3rd	298·3	298·1	−0·6	90	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," Page 110

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	955·0	1009·5	..	304·2	305·2	5th	297·2	296·9	1st	300·7	*300·2*	..	55	..
716	Morelia	19 42	101 7	1923	808·8	1004·8	..	296·7	299·7	1st	..	..	..	..	*293·2*	..	162	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·9	1011·2	+ 0·3	298·7	303·0	1st	284·8	281·9	14th	291·8	290·2	+0·5	102	— 2
718	Salina Cruz	16 12	95 12	56	1004·2	1010·7	..	304·3	308·3	8th	298·5	293·7	27th	301·4	*301·0*	..	235	..
719	San Salvador	13 42	89 13	‡665	935·5	1009·7	— 1·1	305·4	309·0	5th	291·5	290·0	27th	298·5	*296·4*	−0·1	291	+ 26
720	Belize	17 29	88 12	5·2	1010·9	1011·5	+ 0·9	303·9	308·0	1st	297·5	294·7	12th	300·7	*300·3*	−0·1	215	— 73
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·9	— 0·6	304·0	305·7	27th	296·1	293·5	25th	300·1	*300·3*	+0·4	54	—105
722	Port au Prince	18 34	72 22	37·4	1010·3	1014·6	0·0	306·8	309·9	30th	296·6	294·6	28th	301·7	*300·8*	+0·6	63	— 25
723	Caracas	10 30	66 55	1042	900·2	1015·9	+ 0·7	298·3	301·0	17th	289·3	288·0	17th	293·8	*293·0*	−0·6	123	+ 17
724	Montserrat	16 41	62 9	39·6	1010·7	1015·2	— 0·3	305·3	307·4	2nd, 19th	296·7	294·1	12th	301·0	*300·4*	..	100	..
724a	Grenada (Richmond Hill)	12 5	61 46	155	995·2	1013·1	0·0	302·2	303·6	4th	296·7	295·2	8th	299·4	*298·9*	+0·4	112	—107
725	Barbados	13 8	59 36	55·2	..	1014·7	+ 0·3	303·8	304·5	19th	296·7	294·9	24th	300·3	*299·9*	+1·0	45	— 83
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·1	1015·4	+ 0·2	298·8	301·0	15th	293·5	293·0	3rd, 11th	296·1	*296·8*	−0·4	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	?40	..	..	..	300·9	303·4	16th	296·9	295·6	11th, 12th	298·9	*298·5*	+1·0	0	0
733	Bathurst	13 27	16 36	1·8	1013·4	1013·6	+ 0·4	304·8	308·0	17th	..	..	..	..	*300·5*	−0·7	67	— 8
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	309·6	313·6	7th	296·8	294·1	20th	303·2	..	+0·4	161	+ 56
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	309·4	312·4	4th	297·4	293·6	11th	303·4	*302·9*	+0·3	35	— 68
738	Kaduna Capital	10 32	7 25	637	944·6	1016·1	+ 0·4	302·7	304·7	3, 15, 28	293·1	290·2	9th	297·9	*297·3*	+0·2	187	— 12
739	Hadejia	12 40	10 5	?	..	..	..	312·8	316·3	7th	297·6	293·6	28th	305·2	*304·6*	+1·5	32	..
740	Maiduguri	11 47	13 11	361	..	..	..	312·9	316·9	7th	297·8	295·2	20th	305·3	*304·7*	+1·2	28	— 27
741	El Fasher	13 32	25 18	730	..	..	..	311·4	314·5	7th, 9th	294·0	291·0	13th, 20th	302·7	..	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	312·1	314·5	3, 7, 8	..	..	..	..	‡*304·1*	+1·8	6	— 24
743a	Khartoum	15 37	32 33	390	964·2	1006·9	+ 0·6	314·5	317·7	8th	298·9	295·7	28th	306·7	*306·9*	−0·2	0	— 8
744	Port Sudan	19 37	37 13	5·5	1006·0	1006·6	+ 0·9	310·3	318·5	30th	296·8	294·0	21st	303·5	*303·2*	−1·1	0	0
745	Berbera, Somaliland	10 22	45 2	9·5	1004·0	1005·0	+ 0·1	315·9	318·6	29th	303·0	300·8	8th, 15th	309·5	*308·8*	+0·4	0	0
746	Aden	12 45	45 3	28·7	1001·4	1004·5	— 0·8	308·1	315·7	22nd	302·1	299·8	6th	305·1	*304·8*	+0·2	0	— 2
751	Bombay	18 54	72 49	11·3	1003·8	1005·1	— 0·2	304·6	307·4	3rd	300·0	297·2	26th	302·3	*301·5*	+0·5	414	— 63
751a	Cochin	10 58	76 21	2·7	1009·3	1009·6	0·0	302·1	305·4	1st	297·1	295·1	9th	299·6	*298·9*	−0·1	575	—147
752	Kodaikanal	10 14	77 28	2343	768·7	..	— 0·7	291·5	293·7	1st	292·5	291·2	27th	297·2	*296·1*	−0·2	78	— 38
752a	Bangalore	12 59	77 38	920	906·9	1006·8	— 0·4	301·8	304·6	1st	300·2	294·3	3rd	305·2	*304·4*	+0·1	61	+ 16
754	Madras	13 4	80 14	6·7	1004·0	1004·7	— 0·9	310·2	313·7	1st	300·1	296·8	3rd	302·7	*302·0*	−0·6	146	+ 21
755	Vizagapatam	17 42	83 19	11·6	999·0	1000·3	— 1·9	305·4	308·2	15th	..	..	..	..	..	..	..	..
755	Port Blair	11 40	92 40	17·7	1004·9	1006·9	— 0·6	302·6	305·8	1st	298·3	295·2	14th	300·4	*299·7*	−0·3	543	+ 54
757	Rangoon	16 46	95 48	5·5	1006·1	1006·9	0·0	302·9	305·7	28th	297·2	296·4	23rd	300·1	*299·0*	−0·4	606	+150
758	Saigon	10 47	106 42	11·2	1006·6	1007·8	+ 0·3	304·8	307·3	14th	296·9	294·8	27th	300·9	*300·4*	−0·1	473	+184
759	Nhatrang	12 15	109 12	3·6	1004·9	1005·3	— 1·0	307·2	310·9	12th	297·7	296·0	6th	302·5	*301·9*	+0·9	26	— 30
760	Bolinao	16 24	119 53	7·1	..	1004·9	— 1·6	305·6	308·3	1st	297·7	295·7	9th	301·7	*300·9*	0·0	325	— 56
761	Vigan	17 34	120 23	12·2	..	1006·0	— 1·5	306·4	308·2	1st	298·0	296·2	8th	302·2	301·9	+0·9	201	— 86
761a	Manila	14 35	120 59	14·2	..	1007·2	— 0·9	305·0	308·0	1st	297·4	295·9	3rd	301·2	*300·6*	−0·3	266	+ 31
762	Ormoc	11 0	124 36	5·6	..	1007·8	— 0·1	305·7	307·8	2nd	296·7	295·3	21st	301·2	*300·2*	+0·5	333	+132
765	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	..	1008·5	— 0·7	305·4	306·6	12th	298·2	296·4	30th	301·8	*301·3*	+0·2	184	+ 46

Between Latitude 10° N. and 0°.

JUNE—ZONE 8.

802	Fanning Island	3 55 N.	159 23 W.	3·1	..	..	..	304·4	306·9	19th, 27th	298·3	294·7	12th	301·3	*300·9*	+1·0	301	+ 46
812	Colon	9 23	79 23	11·0	..	1009·6	— 0·7	302·6	306·3	2nd	297·6	294·7	26th	300·1	*299·7*	+0·6	307	— 33
813	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	53	— 6
814	Merida, Venez	8 36	71 9	1641	‡841·5	..	..	297·5	300·5	29th	289·0	288·0	17, 19, 27	293·3	*292·2*	..	216	..
815	El Peru, Guayanavieja	7 19	61 49	220	986·3	1011·6	+ 0·2	..	..	..	..	..	..	..	‡*296·1*	−0·1	235	+ 36
816	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·7	+ 1·3	302·4	303·0	sev. dates	297·2	295·8	29th, 30th	299·8	*299·6*	+0·3	181	—105
816a	Paramaribo	5 49	55 9	3·7	1014·6	1011·6	+ 1·2	302·8	305·0	9th	295·7	294·2	27th	299·3	*298·0*	−0·5	288	— 10
817	Cayenne	4 56	52 21	6	..	..	..	303·3	304·2	4th, 25th	294·1	293·2	10th, 28th	298·7	*298·0*	−0·9	457	+ 63
832	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
833	Freetown, Sierra Leone	8 29	13 9	68·3	1006·6	1014·5	+ 1·8	303·1	304·7	5th	..	..	..	..	‡*299·3*	−1·3	364	—129
834	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	113	—107
835	Accra	5 33	W 0 12	25·7	..	..	..	303·7	..	..	..	..	..	..	..	..	51	—127
836	Lagos	6 27	E 3 24	4·6	1013·7	1014·2	..	302·1	303·7	..	296·7	294·7	..	299·4	*299·0*	+0·5	211	—272
837	Zungeru	9 48	6 0	130	..	..	..	305·1	306·9	4th, 6th	295·4	291·9	28th	300·2	*299·6*	+0·2	126	— 37
839	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Yola	9 12	12 30	259	..	..	..	306·6	310·2	16th	..	..	..	..	‡*300·4*	+0·9	110	— 28
841	Wau	7 42	28 3	440	960·5	1009·9	+ 0·1	305·3	308·0	2nd	294·5	292·0	6th	299·9	*298·9*	+0·1	169	0
843	Malakal (Kodok)	9 35	31 37	394	966·7	1011·1	+ 1·4	305·8	310·9	7th	295·0	292·2	22nd	300·4	*298·7*	..	151	+ 18
843a	Mongalla	5 11	31 47	439	960·7	1010·0	0·0	306·1	309·0	2nd	..	..	..	..	‡*298·4*	..	162	+ 45
844	Entebbe	0 5	32 29	1171	885·8	..	+ 1·0	298·1	299·4	6th, 11th	290·3	288·6	16th, 26th	294·2	*293·8*	+0·1	152	+ 23
845	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
852	Minicoy	8 17	72 49	2·1	1010·4	1010·6	+ 0·8	..	..	..	..	..	..	..	..	..	352	+ 71
852a	Colombo Observatory	6 54	79 53	7·3	1010·0	1010·8	+ 2·3	302·9	303·9	2nd, 3rd	298·5	296·2	28th	300·7	*300·0*	+0·1	91	—105
854	Nuwara Eliya	6 59	80 47	1886	..	..	..	291·0	294·3	4th	286·7	285·6	27th	288·9	*288·2*	+0·4	238	— 91
855	Trincomalee	8 34	81 14	30·2	1002·2	1005·6	+ 0·4	306·1	308·1	1st	298·8	295·4	4th	302·4	*301·7*	−0·3	57	+ 24
856	Kota Radja	5 32	95 20	7·1	..	..	..	..	..	..	..	..	..	..	..	..	19	— 76
857	Medan	3 35	98 41	25·0	..	..	..	..	..	..	..	..	..	..	..	..	44	— 87
858	Penang	5 34	100 20	5·0	1009·1	1009·7	+ 0·1	305·9	308·0	18th	295·6	293·6	1st	300·8	*300·1*	+0·2	137	— 58
859	Singapore	1 17	103 51	3	1008·8	1009·1	— 0·1	305·0	307·2	19th	297·8	295·2	27th	301·4	*300·9*	+0·8	104	— 70
860	Sandak

JUNE—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	*301·1*	+0·1	159	+
924	Manaos	3 8	60 1	43·8	..	..	..											
926	Taperinha	2 30	54 20	20·0	1010·4	1012·6	+ 0·3	305·4	306·8	11th	297·2	296·0		301·3	*300·3*	+0·5	53	
927	Turyassu	1 43	45 26	15·1	1010·8	1012·5	+ 0·2	302·7	305·2	4th	295·1	294·4	21st	298·9	*297·6*	+0·1	147	
928	Barra do Corda	5 30	45 16	81·0	1002·2	1011·5	— 0·4	305·2	306·4	1st	295·1	293·3	sev. dates	300·2	*299·1*	+0·6	110	
929	Quixeramobim	5 16	39 15	207	990·2	1013·5	— 0·1	305·2	306·4	14th, 20th	293·4	288·8	21st	299·3	*297·4*	—0·2	9	
930	Fernando Noronha	3 50	W32 25	106	1002·2	1014·4	+ 0·5	305·8	307·4	4th	297·3	294·5	1st	301·6	*300·9*	+1·6	5	
939	Loanda	8 49	E 13 13	59·3	..	1015·8	+ 1·1	300·4	301·3	13th	296·8	294·3	30th	298·6	*298·4*	..	33	
940	Brazzaville	4 17	15 16	320	978·2	1014·8	+ 0·4	295·9	297·4	2, 3, 23	292·2	290·9	27th	294·1	293·7	—0·6	0	
								302·9	307·0	1st	291·5	290·0	29th	297·2	*296·5*	+0·8	0	
943	Masaka	0 21	31 47	?1280	..	..	..						sev. dates					
944	Nairobi	1 14	36 44	1800	..	..	..	298·7	300·2	7th	288·7	288·0	19th	293·7	*292·0*	—0·3	25	
944*a*	Zanzibar	6 10	39 11	21·9	1016·5	1018·9	+ 0·7	294·1	296·9	6th, 7th	283·0	276·9	25th, 26th	288·6	*287·9*	—0·4	42	
945	Lamu	2 16	40 50	3·1	..	..	..	300·6	301·7	9th	296·3	295·1	18th	298·4	*297·9*	—0·1	5	
947	Seychelles, Port Office	4 37	55 27	4·6	1011·7	1012·2	+ 0·2	305·8	306·9	30th	297·4	296·3	28th, 30th	301·6	*301·1*	+1·5	187	
								301·7	302·8	..	299·2	297·1	..	300·4	*299·8*	+1·5	235	
957	Padang	0 56	100 22	6·7	..	..	..											
958	Batavia	6 11	106 50	8·0	1009·4	1010·3	+ 0·4	303·1	304·1	17th, 18th	296·5	295·0	20th	299·8	299·4	+0·3	195	
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	51	
959	Passeroean	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	15	
960	Kajoemas	7 56	114 9	1066	..	..	..	..	..	..	..	..	..	..	..	..	0	
962	Ambon	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	850	
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	127	
965	Daru	9 4	143 13	7·6	..	1010·6	— 0·9	302·8	..	..	..	..	..	..	‡*299·4*	—0·2	88	
966	Port Moresby	9 29	147 9	39·0	..	1011·9	+ 1·0	301·4	..	..	294·1	..	..	297·7	*297·2*	—1·8	26	
967																		
968	Rendova	8 30	157 12	1·8	1009·6	1009·8	0·0	..	..	..	..	..	..	..	..	..	785	
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·0	1010·2	+ 0·1	303·1	305·1	1st, 3rd	297·6	296·8	27th	300·3	*300·1*	+0·1	232	
970	Ocean Island	0 52 S.	169 35 E.	**	1001·2	1007·4	— 0·6	303·9	305·2	30th	297·7	295·8	25th, 26th	300·8	*300·1*	—0·2	203	

JUNE—ZONE 10.

Between Latitude 10° S. and 20° S.

1002	Apia, Samoa	13 48 S.	171 46 W.	2	..	1011·4	— 0·2	302·6	304·4	29th	295·7	290·9	19th	299·1	298·9	+0·5	72	
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	300·3	301·9	2, 4, 24	..	..	..	..	..	..	175	
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	
1021	Arequipa	16 22	71 33	2451	761·8	..	0·0	293·2	296·1	21st	283·0	280·4	1st	288·1	*287·2*	+1·2	0	
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	..	..	..	..	..	..	
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	
1025	Corumba	18 59	57 39	116	1000·4	1014·3	0·0	299·8	304·6	8th	290·2	277·8	21st	295·0	*294·1*	0·0	117	
1026	Cuyaba	15 36	56 6	165	994·4	1013·3	— 0·1	301·7	304·6	11th	294·7	284·6	23rd	298·2	*298·2*	+1·0	18	
1027	Bello Horizonte	19 55	43 57	857	922·3	1019·6	+ 0·3	296·0	298·8	14th	281·1	278·4	25th	288·5	*289·4*	—0·6	50	
1028	Caetite	14 3	42 37	900	918·4	1018·1	+ 0·7	296·1	299·8	20th	288·3	286·4	11th	292·2	*292·8*	—0·2	24	
1029	Ondina (Bahia)	13 0	38 31	46·6	1011·1	1016·5	0·0	299·5	303·0	15th	294·6	293·4	4th	297·0	*296·9*	0·0	295	
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
1035	St. Helena	15 57	W 5 40	632	948·1	1020·0	+ 0·9	293·8	296·6	15th	286·4	285·2	23rd, 25th	290·1	*289·9*	+1·0	100	
1042	Gwelo	19 28	E 29 48	1417	866·3	..	+ 0·9	295·4	299·1	24th	276·0	271·9	7th	285·7	..	—0·5	0	
1043	Salisbury, Rhodesia	17 48	31 5	1457	861·1	..	+ 0·3	295·7	297·6	23rd	277·2	274·7	25th	286·4	*285·5*	—0·4	0	
1044	Zomba	15 23	35 18	996	912·9	1025·7	+ 1·3	296·7	300·2	10th	285·3	281·9	3rd	291·0	*290·3*	+0·9	0	
1045	Tananarive	18 55	47 32	1400	868·8	..	+ 1·4	293·5	297·5	18th	283·3	279·0	2nd	288·4	*287·1*	0·0	20	
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·6	1012·1	+ 0·1	301·1	303·3	2nd	297·4	295·8	30th	299·2	*298·9*	—0·2	350	
1056																		
1057	Christmas Island	10 25	105 43	5·5	1008·4	1009·0	0·0	303·4	304·7	..	296·7	295·2	..	300·1	*299·3*	+0·3	189	
1058																		
1061	Koepang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	0	
1061*a*	Derby	17 18	123 40	16·2	1014·6	1016·5	+ 1·9	302·9	307·9	17th	288·8	283·4	27th	295·9	..	+0·2	0	
1062	Hall's Creek	18 13	127 46	374	975·4	1017·8	+ 1·5	300·9	306·8	16th, 17th	284·0	276·2	26th	292·4	*291·7*	+0·7	2	
1063	Darwin	12 28	130 51	29·6	1009·8	1013·2	+ 1·3	303·4	306·8	16th	292·9	289·6	25th	298·2	*297·0*	—0·9	0	
1064	Daly Waters	16 16	133 23	211	990·3	1014·3	+ 0·1	302·0	307·4	14th, 15th	287·4	283·0	27th	294·7	*294·0*	+0·5	0	
1065	Mein	13 13	142 47	122	998·8	1012·7	+ 1·0	301·5	303·6	12th	291·1	286·9	24th	296·3	..	—0·3	0	
1066	Georgetown, Queensland	18 22	143 32	302	982·2	1016·5	+ 1·4	301·2	305·7	14th	287·0	278·6	27th	294·1	..	+0·6	0	
1067	Samarai	10 37	150 40	15·2	..	1011·5	— 0·5	301·0	..	..	296·5	..	..	298·7	*298·5*	+0·1	181	
1072	Suva, Fiji	18 8 S. ° ′	178 26 E. ° ′	16·8 metres.	.. mb.	1013·7 mb.	— 1·5 mb.	298·5 a.	302·4 a.	2nd	293·3 a.	291·1 a.	22nd	295·9 a.	*295·7* a.	—0·9 a.	225 mm.	

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 1

** Height changed from 20·0 m. to 54·0 m. from June 5th.

JUNE 1919.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

JUNE—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1005	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	182	+ 73
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·5	1016·7	— 0·8	289·3	294·9	8th	284·1	282·2	18th	286·7	*286·2*	+1·2	38	— 9
1122	Iquique	20 12	70 11	9	..	..	..	292·2	295·0	14th	285·3	283·4	30th	288·7	*290·1*	+0·6	0	— 0
1123	Catamarca	28 27	65 47	510	953·2	1012·9	— 1·8	290·5	302·5	8th	278·0	272·5	20th	284·3	284·5	+0·4	1	— 2
1124	Salta	24 46	65 28	1178	881·4	1013·4	— 1·7	290·5	302·7	24th	279·0	270·8	22nd	284·7	285·0	+0·9	4	+ 3
1125	Goya	29 9	59 15	26	1012·0	1015·1	— 2·4	292·1	302·1	1st	283·0	274·2	21st	287·5	287·5	+0·8	160	+120
1126	Asuncion	25 21	57 37	95	‡1005·1	‡1016·4	— 2·6	296·2	304·0	1st	287·2	275·0	21st	291·7	290·8	+0·9	175	+114
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janéiro	22 54	W43 10	61·4	1012·0	1019·2	0·0	297·6	303·6	17th	291·3	288·8	22nd, 24th	294·4	293·9	+0·3	43	— 15
1139	Windhoek	22 35	E17 5	1680	..	..	..	293·5	295·7	25th	281·3	278·1	8th	287·4	*287·3*	+1·2	0	— 1
1140																		
1141	Kimberley	28 42	24 47	1202	888·4	..	+ 0·1	293·2	298·4	7th	276·9	271·9	22nd	285·1	284·5	+2·2	0	— 8
1142	Johannesburg	26 11	28 4	1806	828·5	..	+ 1·5	290·2	295·9	26th	279·1	275·4	10th	284·6	*284·1*	+1·2	0	— 3
1143	Pretoria (Brooklyn)	25 46	28 13	1400	868·2	..	+ 1·7	293·3	298·0	28th	277·8	274·2	22nd	285·6	*285·1*	+2·0	0	..
1144	Durban	20 9	28 35	1340	873·4	..	+ 1·0	294·6	298·6	..	279·7	275·8	..	287·1	*286·4*	0·0	0	— 1
	Lorenzo Marques	29 52	31 3	15·2	1022·6	1024·4	+ 1·0	295·8	299·9	27th	286·2	283·4	22nd	291·0	*290·5*	+0·7	0	— 29
1147	Mauritius	25 58	32 36	59	..	1023·1	+ 1·1	297·7	301·8	9th	286·5	284·8	28th	292·1	291·5	+0·2	21	+ 7
1159	Onslow	20 6	57 33	55·2	1012·7	1019·2	+ 0·2	297·9	299·2	13th	291·2	287·7	19th	294·5	294·2	+0·6	60	— 11
1160	Peak Hill	21 43	114 57	4·3	1015·2	1016·1	+ 0·6	300·2	303·2	18th	286·9	281·2	5th	293·6	..	+1·7	13	— 32
1161	Nullagine	25 38	118 47	588	950·3	1017·2	— 0·4	294·9	299·7	7th	282·8	277·2	17th	288·8	..	+1·8	9	— 27
1162	Laverton	21 53	120 5	386	974·1	1017·9	+ 0·5	299·3	303·9	1st	285·9	279·7	27th	292·6	..	+3·1	2	— 25
1163	Alice Springs	28 40	122 23	466	967·7	1021·7	+ 1·6	293·1	299·6	6th	280·7	274·1	18th	286·9	*286·8*	+1·8	10	— 14
1164	William Creek	29 33	138 37	587	953·8	1021·2	+ 2·0	293·8	302·2	14th	278·2	271·3	25th, 26th	286·0	*285·7*	+0·5	0	— 14
1165	Boulia	22 55	139 38	146	1014·3	1023·4	+ 3·5	293·9	301·6	14th	279·9	273·0	24th	286·9	*286·6*	+1·7	0	— 16
1166	Thargomindah	27 58	143 43	123	1002·0	1019·0	+ 2·2	297·7	305·9	15th	283·5	275·5	28th	290·6	*290·3*	+2·2	0	— 10
1167	Mitchell	26 32	147 52	336	1006·6	1021·3	+ 2·9	294·6	301·4	12th, 15th	280·9	274·9	25th	287·7	*287·4*	+1·2	0	— 22
					982·8	1021·6	..	293·5	300·8	13th	279·2	273·0	23rd	286·3	..	+1·5	15	— 28
1168	Rockhampton	23 24	150 30	11·3	1018·0	1019·4	+ 1·6	296·8	301·2	14th	286·2	280·0	21st	291·5	..	+1·1	22	— 28
1169	Brisbane	27 28	153 2	41·7	1016·3	1021·3	+ 3·2	293·6	298·1	16th	285·0	279·3	20th	289·3	*288·7*	+0·6	20	— 47
1170	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1171	Norfolk Island	29 4 S.	167 59 W.	15·2	1016·6	1018·5	+ 1·4	291·9	294·7	1st	287·3	284·1	17th	289·6	*289·2*	—0·6	137	— 13

Between Latitude 30° S. and 40° S.

JUNE—ZONE 12.

1221	Juan Fernandez	33 37 S.	78 50 E.	10	..	..	..	288·2	291·2	4th	283·6	280·9	30th	285·9	*286·3*	—0·4	238	+ 84
1222	Punta Tumbes	36 37	73 6	91	‡1004·8	‡1015·9	— 0·7	286·6	288·8	6th	281·0	277·0	29th	283·8	*283·6*	—0·1	95	— 23
1223	Punta Angeles, Valparaiso	33 1	71 38	41	1011·8	1016·8	— 1·1	288·5	291·4	4th	281·3	277·2	17th, 18th	284·9	*284·4*	—0·9	197	+ 53
1224	Santiago	33 27	70 42	520	955·8	1017·7	— 0·4	287·0	294·4	4th	276·0	271·5	19th	281·5	*280·5*	—0·4	139	+ 56
1225	Cordoba	31 25	64 12	423	965·8	1016·1	— 1·1	289·6	298·8	..	276·7	269·6	..	283·1	282·4	—0·4	11	+ 4
1226	Bahia Blanca	38 45	62 15	25	..	1016·7	+ 0·4	284·8	290·5	8th	278·4	272·8	20th	281·6	281·6	+0·1	59	+ 34
1232	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1016·7	— 1·7	287·3	293·2	8th	279·3	272·9	20th	283·3	283·3	—0·3	128	+ 60
1233	Montevideo (Prado)	34 52	56 12	24·9	1014·2	1017·2	— 0·2	288·1	294·4	8th	280·7	274·4	21st	284·4	284·7	+0·8	320	+250
1234	Porto Alegre	30 2	W51 13	23·5	1015·4	1018·2	— 1·5	293·4	303·6	1st	285·0	275·7	22nd	289·2	289·1	+2·8	205	+ 84
1239	Cape Town	33 56	E18 29	12·2	..	1020·6	+ 0·5	290·8	297·4	2nd	282·8	275·8	28th	286·8	*285·6*	+0·6	76	— 33
1240	Danger Point	34 37	19 18	27·7	1016·8	1020·1	..	290·0	294·7	2nd	283·9	279·7	18th	287·0	..	..	27	— 58
1241	Riversdale	34 6	21 16	?61	1008·8	1016·2	..	293·4	301·9	2nd	279·4	274·1	30th	286·4	..	..	43	..
1242	East London	33 1	27 54	9·8	1019·7	1020·9	— 0·7	295·5	302·4	5th	282·7	278·0	25th	289·1	..	+0·2	14	— 28
1260	Perth (Observatory)	31 57	115 51	60·0	1012·7	1020·1	+ 2·3	291·1	299·2	4th	282·5	277·1	18th	286·8	*286·9*	0·0	145	— 29
1261	Katanning	33 42	117 35	310	983·5	1020·7	+ 3·0	288·5	296·5	4th	278·9	273·7	20th	283·7	..	—0·1	68	— 3
1262	Coolgardie	30 57	121 10	423	971·8	1021·4	+ 2·5	290·6	296·8	5th	279·9	275·1	21st	285·2	*285·1*	+0·7	27	— 4
1263	Eucla	31 45	128 58	4·6	1021·2	1021·8	+ 3·3	292·2	300·2	7th	282·4	276·3	30th	287·3	*287·0*	+1·0	9	— 18
1264	Streaky Bay	32 48	134 13	13·1	1021·6	1023·0	+ 3·6	291·5	296·3	4th	283·3	278·0	29th	287·4	*287·1*	+1·8	17	— 54
1265	Adelaide	34 56	138 35	42·7	1017·7	1022·9	+ 3·8	290·6	295·3	8th	282·2	276·7	24th	286·4	*286·3*	+1·5	45	— 33
1266	Melbourne	37 49	144 58	35·1	1016·4	1020·5	+ 2·0	286·9	292·6	1st	279·8	274·7	4th	283·3	*282·9*	+0·1	32	— 21
1267	Bourke	30 13	145 58	110	1012·9	1026·3	+ 4·5	293·1	300·8	12th	278·0	272·4	29th	285·6	..	+0·5	0	— 28
1268	Sydney	33 51	151 13	44·5	1015·3	1020·7	+ 3·0	291·7	297·2	30th	282·5	279·1	30th	287·1	*286·1*	+1·5	61	— 62
1271	Lord Howe Island	31 20	159 0	4·6	1019·1	1019·7	+ 3·3	292·6	295·5	13th	286·8	281·6	26th	289·7	..	0·0	88	—102
1272	Auckland	36 50	174 50	38·1	..	1014·2	..	287·6	289·9	20th	281·2	277·4	3, 9, 27	284·4	..	—0·5	91	— 31
	Napier	39 32 S.	176 53 E.	21·3	..	1012·9	0·0	287·6	291·9	10, 11, 18	277·5	271·9	28th	282·5	..	—0·6	65	— 2

Between Latitude 40° S. and 50° S.

JUNE—ZONE 13.

1301	Chatham Island	43 52 S.	170 42 W.	104	..	..	..	..	..	..	..	..	..	..	..	..	119	+ 36
1321	Isla Guafo	43 34	74 45	140	995·2	1012·3	— 0·7	283·3	287·0	12th	279·7	276·7	28th	281·5	*281·5*	+0·6	63	— 82
1323	Punta Galera	40 1	73 44	40	1010·4	1015·3	+ 0·5	285·0	287·8	6th, 7th	280·7	275·6	29th	282·9	*283·1*	+0·3	223	—136
1324	Sarmiento	45 30	69 0	274	..	1011·0	..	281·0	285·8	3rd	271·2	263·6	15th	276·1	275·9	—0·1	3	— 6
1325	Puerto Madryn	42 49	W64 58	14	..	..	..	284·9	292·9	4th	273·8	268·7	20th	279·3	279·8	—0·3	61	+ 41
1365	Launceston	41 27	E147 10	10·1	1013·2	1014·5	— 1·1	285·9	289·1	10th	276·7	271·3	30th	281·3	*280·8*	+0·3	83	— 6
1366	Hobart	42 53	147 20	53·9	1005·1	1012·0	— 2·2	285·2	291·1	1st	279·2	273·8	30th	282·2	*281·7*	+1·0	83	+ 27
1370	Invercargill	46 25	168 21	5·5	..	..	..	283·4	288·6	11th	275·5	268·6	27th	279·4	..	+0·3	90	+ 2
1371	Dunedin	45 52	170 31	91·4	..	1009·9	— 2·1	284·3	293·0	10th	276·9	271·9	26th, 28th	280·6	..	+1·4	86	+ 7
1372	Christchurch	43 31	172 38	7·6	..	1009·8	— 2·8	284·1	292·2	10th	274·9	269·9	28th	279·5	..	—0·1	66	— 5
	Wellington	41 16 S. ° ′	174 46 E. ° ′	2·4 metres.	.. mb.	1012·3 mb.	— 1·4 mb.	285·7 a.	291·8 a.	12th	279·1 a.	271·8 a.	1st	282·4 a.	.. a.	—0·3 a.	62 mm.	— 64 mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

JUNE—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	997·4	1004·2	+ 1·4	279·8	282·1	20th	276·9	274·5	26th	278·3	*278·2*	+0·6	254	—
1422	Puerto de Punta Arenas	53 10	70 54	4	1003·1	1003·6	+ 0·6	277·8	280·4	30th	272·7	269·5	28th	275·3	*276·1*	+0·8	30	—
1423	Punta Dungeness	52 24	68 26	5	..	..	..	280·2	281·8	2nd	274·5	270·2	27th	277·3	*276·9*	+0·6	9	—
1424	Santa Cruz	50 11	68 21	12	..	1006·6	+ 0·6	279·2	282·6	22nd, 23rd	273·1	267·4	29th	276·1	276·0	+1·0	0	—
1424a	Año Nuevo	54 39	64 8	50	994·9	1001·1	+ 1·2	277·8	279·7	2nd	275·0	269·9	19th	276·4	276·4	+0·8	57	—
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	75	—
1426	Cape Pembroke	51 41	57 42	21	..	1003·8	+ 1·2	278·7	280·8	7th	274·1	270·8	19, 20, 21	276·4	276·7	+0·6	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

JUNE—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	995·8	996·7	+ 0·3	268·3	273·9	24th	260·3	244·4	19th	264·3	264·5	+1·0	22	—
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JUNE 1919.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1075. Direction and Force (Beaufort).
	9h.	m/s	17h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SSE	..	E	NE 1 Calm 0	SW 1 S 2	E 4	SE 2	E 3 E 3	SE 1
2	SSE	5·6	E	NE 2 SW 1	E 1 E 1	E 5	SE 2	E 2 E 3	N 1
3	SSE	5·1	NE	NE 1 SW 1	SE 1 SE 2	E 6	SE 2	E 3 E 3	Calm 0
4	SSE	5·9	NE	NE 1 SW 1	S 2 SE 1	SE 5	SE 2	E 3 Calm 0	Calm 0
5	SSE	4·3	Calm	NE 1 SW 2	S 1 S 2	SE 5	SE 2	E 2 E 4	SE 1
6	SE	4·9	Calm	Calm 0 SW 1	W 1 S 2	SE 5	SE 2	E 3 E 2	SE 1
7	SSE	7·5	NE	NE 1 SW 1	E 1 SE 1	SE 4	SE 2	E 3 E 3	SE 1
8	SE	8·0	NE	Calm 0 Calm 0	E 1 S 2	SE 4	SE 2	E 3 E 3	SE 1
9	SE	6·4	NE	NE 1 SW 1	NW 1 S 1	SE 4	SE 2	E 3 E 3	SE 1
10	SSE	4·8	N	SW 1 SW 2	S 1 S 2	NE 4	SE 4	E 3 E 3	SE 1
11	SSE	6·0	N	NE 1 SW 1	S 1 S 2	SE 6	E 2	E 3 E 4	SE 1
12	SSE	7·6	N	Calm 0 SW 1	S 1 S 2	SE 6	SE 6	E 4 E 2	SE 1
13	SSE	5·6	N	Calm 0 Calm 0	NW 1 S 1	NE 6	SE 4	SSE 4 SE 3	Calm 0
14	SSE	4·3	N	NE 1 SW 1	S 1 S 1	NE 6	SE 6	S 1 N 2	Calm 0
15	SSE	2·4	N	Calm 0 SW 1	SE 1 S 1	SE 3	Calm 0	N 2 Calm 0	NW 1
16	SSE	3·6	NE	Calm 0 SW 2	SE 1 SW 2	SE 3	SE 4	NE 2 Calm 0	NW 1
17	SSE	5·4	NE	Calm 0 Calm 0	S 1 S 2	SE 6	SE 4	Calm 0 Calm 0	NE 1
18	SSE	7·6	NE	NE 1 SW 1	S 1 E 2	NE 6	SE 2	NE 1 N 2	Calm 0
19	S	7·9	NE	NE 1 Calm 0	Calm 0 SW 1	SE 4	SE 4	ENE 1 E 1	Calm 0
20	SE	10·4	N	NE 1 Calm 0	E 1 S 1	SE 4	SE 2	NE 2 E 1	Calm 0
21	SE	7·3	N	Calm 0 SW 1	SW 1 SE 1	SE 6	SE 4	E 2 E 1	Calm 0
22	SSE	5·3	SE	NE 1 SW 1	E 1 S 1	NE 6	Calm 0	N 1 N 1	Calm 0
23	SE	2·4	SE	Calm 0 Calm 0	SE 1 S 1	NE 4	Calm 0	NE 1 N 1	Calm 0
24	Calm	..	SE	Calm 0 Calm 0	W 1 SE 1	NE 4	Calm 0	NW 3 NW 2	Calm 0
25	Calm	..	SE	Calm 0 Calm 0	E 1 S 2	SE 4	Calm 0	NW 3 W 1	NE 1
26	Calm	1·3	SE	Calm 0 SW 1	S 1 SE 2	NE 4	Calm 0	NW 1 WNW 4	Calm 0
27	SE	5·3	Calm	SW 1 Calm 0	SW 1 S 1	NE 4	ESE 2	NE 3 NE 3	Calm 0
28	E	3·5	SE	Calm 0 SW 1	NW 1 S 1	SE 4	SE 4	NE 3 E 3	Calm 0
29	SSE	3·6	SE	Calm 0 SW 1	S 1 S 2	NE 4	ESE 4	E 2 E 1	Calm 0
30	SE	7·4	SE	Calm 0 SW 1	N 1 S 1	NE 6	SE 2		Calm 0
Mean	..	5·5	..	0·5 0·8	1·0 1·4	4·7	2·5	2·2 2·0	
§Resultant	150° (82)	..	60° (55)	225° (15)	170° (64)	100° (74)	130° (77)	70° (57)	115° (67)
§Normal	136° (84)	6·4	‖102° (70)	267° (19)	245° (40)	87° (84)	131° (81)	109° (53)	97° (66)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 632 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JUNE 1919.

‡‡ *Barents Sea.*—The edge of the ice trended from Cape Kanin towards the north-east. It was possible to penetrate to Kolgujev but further east the ice was very close. In the northern part of the sea the ice was in its normal position. The area covered was 927 × 10^3 sq. km. compared with a normal of 841 × 10^3 sq. km.

‡‡ *White Sea.*—The ice disappeared during the first week.

‡‡ *Spitsbergen.*—The ice belt from Bear Island to Icefjord narrowed from 50 to 20 miles. In Bell Sound, Icefjord and Green Harbour there was scattered ice. in Foreland Sound, firm ice. The sea was free of ice from Dane's Island to Hinlopen Strait but from here to North Cape there was scattered ice.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration is 7 days with ice visible.

‡‡ *Greenland Sea and Denmark Strait.*—The ice round Jan Mayen moved far westwards but the position of the ice in the north remained normal. The edge was generally close but ships penetrated to the south of Shannon Island and a landwater occurred there to Garmania Harbour. In Denmark Strait the closely packed ice edge remained almost stationary. At flood time the ice was in violent motion. Many icebergs observed along the coast in 64° N. The area covered was 844 × 10^3 sq. km. compared with a normal of 921 × 10^3 sq. km.

‡‡ *N. Atlantic and Labrador.*—Many icebergs at Cape Race and on the Newfoundland Banks, the southernmost being observed on the 4th in 41° 41′ N. and 44° 35′ W. In Belle Isle Strait pack ice and many icebergs occurred of which some drifted into the Gulf of St. Lawrence.

‡‡ *Davis Strait.*—The belt of close packed ice extended from 42° W. to Ivigtut but narrowed later. Except for "Storis" off Godthaab and winter ice in Umanak Fjord the sea was nearly free of ice from Arsuk to past Upernivik. West, ice was observed 40 miles off Disko. Icebergs were more numerous than usual off the whole coast.

‡‡ *Bering Sea.*—Until after the middle of the month there was packed ice on the north side of St. Lawrence Island.

‡‡ *Isforholdene i de Arktiske Have*, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JULY 1919.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JULY 1919 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **JULY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 27	66 40	?	1013·8	..	+ 3·4	..	283·6	18th	..	270·0	3rd	..	*276·7*	..	12	..
125	Upernivik	72 47	W56 7	18·9	1011·5	1013·8	+ 2·6	281·2	290·8	22nd	273·5	268·5	10th	277·3	*277·1*	—0·9	33	+ 10
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1008·5	1009·9	— 3·0	..	281·6	24th	275·7	272·0	10th	..	277·4	—0·3	11	— 8
141	Gjesvaer	71 6	25 22	6·5	1011·6	1012·4	+ 0·8	..	293·3	21st	280·7	276·6	9th	..	*282·9*	+0·1	86	+ 35
142	Mehavn	71 1	27 47	6·4	1011·5	1012·3	+ 0·2	..	294·1	13th	280·9	278·0	6th	..	*283·2*	+0·6	31	— 25
143	Vardö	70 22	31 8	10·0	1011·8	1013·0	+ 1·2	..	287·4	13th	280·4	278·2	5th	..	*282·4*	+0·8	41	— 6
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
157	Maudhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 70° N. and 60° N. **JULY—ZONE 2.**

202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1010·8	— 0·7	285·5	296·3	28th	279·8	275·2	6th	282·7	*282·8*	—0·8	94	+ 25
204	Candle	65 55	161 57	2·4	..	..	..	288·1	301·3	30th	279·0	273·0	6th	283·6	..	..	34	..
205	Tanana	65 10	152 6	67·1	..	1013·9	+ 2·9	294·1	304·7	28th	282·5	279·7	3, 10, 26	288·3	*289·0*	+0·6	89	+ 36
206	Rampart	65 30	150 15	122	..	..	..	295·5	304·1	28th	282·8	278·0	2nd	289·2	..	..	29	— 8
207	Valdez	61 7	146 16	8·2	..	1017·3	+ 0·9	288·4	298·0	4th	280·6	278·6	27th	284·5	*284·7*	—0·8	43	— 29
208	Eagle	64 46	141 12	254	..	1011·8	+ 1·7	295·1	303·0	27th, 28th	281·6	276·3	15th	288·3	..	+1·0	44	+ 3
209	Dawson	64 4	139 20	328	974·1	1012·5	— 1·0	296·3	303·6	27th, 28th	280·8	275·8	25th	288·6	..	+0·3	61	+ 10
210	Carcross	60 11	134 34	662	..	..	..	292·4	304·1	29th	278·1	273·6	16th	285·3	..	+0·1	36	+ 7
211	Fort Good Hope	66 25	128 53	65·2	1005·3	1013·1	..	295·8	302·4	9th	282·4	277·4	1st, 22nd	289·1	..	..	22	+ 16
212	Fort Simpson	61 52	121 35	129	995·6	1011·0	..	294·7	299·7	13th, 14th	283·6	276·9	2nd	289·1	..	+0·4	46	0
213	Hay River	60 51	115 20	161	991·0	1010·2	..	290·8	300·8	14th	282·4	274·1	3rd	286·6	..	—2·0	34	..
225	Jacobshavn	69 13	51 2	12·6	1012·4	1013·9	+ 2·4	283·7	?291·7	24th	275·9	?273·8	9th	279·8	*279·2*	—1·5	19	— 11
226	Godthaab	64 11	51 43	9·0	1009·9	1011·0	+ 1·2	284·4	291·4	25th	276·0	272·9	7th	280·2	*279·9*	+0·3	..	..
227	Ivigtut	61 12	48 10	5·0	1011·9	1012·5	+ 2·9	286·8	292·4	25th	280·5	276·4	8th	283·7	*282·6*	—0·3	59	— 25
229	Angmagsalik	65 37	37 33	31·7	1008·6	1012·5	+ 1·3	283·9	291·6	11th	276·0	272·4	2nd	279·9	*279·2*	—0·3	111	+ 55
231	Stykkisholm	65 5	22 46	11·3	1015·6	1017·0	+ 7·5	287·4	294·7	26th	281·2	276·3	16th	284·3	*283·9*	+1·2	37	— 1
232	Vestmanno	63 26	20 15	7·7	1012·6	1013·5	+ 4·3	288·5	295·4	26th	282·7	278·1	17th	285·6	*284·4*	+0·7	60	— 21
234	Grimsey	66 33	17 58	22	1010·0	1012·7	+ 2·8	285·7	292·2	26th	279·3	275·0	16th	282·5	*282·2*	+2·0	36	+ 7
235	Berufjord	64 40	14 19	18·0	1011·0	1013·2	+ 3·2	286·9	289·6	31st	281·2	277·4	13th	284·1	*283·5*	+1·7	101	+ 38
236	Thorshavn	62 3	6 45	26·3	1012·6	1015·8	+ 4·2	286·6	289·7	2nd, 18th	281·9	278·6	13th, 14th	284·2	*284·2*	—0·2	30	— 28
237	Lerwick	60 9	W 1 8	18·0	1014·1	1016·3	+ 5·1	286·6	289·7									
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1007·1	1012·4	+ 1·2	292·2	296·6	4th	284·4	282·7	7th	288·3	*287·7*	+0·4	38	— 80
239	Christiansund	63 7	7 45	17·8	1011·9	1014·0	+ 2·8	..	296·4	22nd	283·7	280·1	1st	..	*285·9*	—0·2	5	— 73
240	Trondhjem	63 26	10 25	39·5	1009·1	1013·8	+ 2·8	292·2	301·1	21st	284·3	280·0	6th	288·3	*287·7*	+0·7	18	— 49
241	Bodö	67 17	14 24	22·4	1011·0	1013·7	+ 2·9	..	297·8	19th	283·4	280·0	6th	..	*285·8*	+0·3	45	— 26
242	Haparanda	65 50	24 9	9·2	1009·9	1011·0	+ 0·7	295·9	303·0	12th	285·3	278·0	25th	290·6	*290·6*	+2·6	36	— 10
243	Helsingfors	60 10	24 57	11·7	1010·0	1011·5	+ 0·5	295·8	300·2	11th	287·8	283·4	1st	291·8	292·0	+2·2	38	— 21
244	Kuopio	62 54	27 40	90·3	1000·4	1011·0	— 0·1	296·5	301·7	15th	288·1	281·9	26th	292·3	*292·4*	+3·1	36	— 33
245	Kola	68 53	33 1	6·7	1011·5	1012·3	+ 1·6	291·3	302·9	13th	281·6	275·4	24th	286·5	*286·3*	+1·0	34	— 14
246	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Archangelsk	64 35	40 36	6·2	1011·5	1012·2	+ 1·6	294·8	305·0	13th	284·6	277·2	21st	289·7	*290·0*	+1·3	20	— 40
248	Mezen	65 50	44 16	12·6	1010·7	1012·2	+ 2·3	291·6	304·1	15th	280·2	272·2	20th	285·9	*286·6*	0·0	15	— 33
249	Oust-Tsylma	65 25	52 14	? 70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Teherdyn	60 24	56 31	?177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
253	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 23	86 4	20	1002·6	1005·0	— 2·2	..	296·7	28th	279·8	276·0	9th	..	*284·0*	..	27	..
260	Tourouk hansk	65 47	87 57	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Iakoutsk	62 1	129 43	108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
269	Verkhoiansk	67 33	133 23	100	992·7	1004·6	+ 0·8	..	301·4	14th	281·1	274·0	16th	..	*288·0*	—0·3	40	+ 11
271	Markovo-sur-Anadyr	64 45	170 50	25·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272	Novo-Mariinskii Post	64 45 N.	177 33 E.	22·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106

JULY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1013·5	+ 2·3	282·5	286·3	5th	278·6	277·4	4, 7, 12	280·6	..	..	49	+ 1
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1016·9	+ 0·8	286·7	298·0	22nd	280·2	277·4	5th	283·4	..	−0·4	71	+ 8
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	292·6	297·4	7th	281·5	276·9	20th, 24th	287·1	..	..	84	+ 5
306	Kodiak (Radio)	57 47	152 22	6·1	..	1014·2	− 0·5	290·6	299·7	27th	281·8	276·9	10th	286·2	..	..	123	+ 41
309	Sitka	57 3	135 19	27·4	..	1018·3	+ 0·8	288·2	294·1	27th	282·5	280·2	5th	285·3	*285·3*	−0·5	73	− 2
310	Prince Rupert	54 18	130 18	51·8	1011·2	1017·5	0·0	288·6	293·0	31st	283·0	280·8	24th	285·8	*285·5*	−1·3	50	− 23
311	Barkerville	53 2	121 35	1274	872·5	1018·0	+ 3·8	291·3	298·6	15th	278·0	273·6	18th	284·7	*284·4*	−0·8	80	+ 7
312	Kamloops	50 42	120 29	385	972·4	1016·6	+ 0·7	303·0	311·9	15th	285·8	281·9	1, 7, 19	294·4	*294·3*	+0·5	32	− 22
313	Calgary	51 2	114 2	1045	895·0	1012·5	+ 1·3	300·2	309·1	15th	281·3	278·0	27th	290·8	*289·9*	+1·9	42	− 17
314	Fort Chipewyan	58 42	111 10	218	983·4	1009·0	..	293·0	301·9	15th	282·4	275·8	2nd	287·7	*288·4*	−1·7	67	+ 5
315	Prince Albert	53 10	105 38	442	959·2	1009·9	− 0·1	299·1	307·4	16th	284·1	279·7	21st	291·6	*291·3*	+1·9	51	− 11
316	Qu'Appelle	50 30	103 47	645	937·2	1010·6	− 1·4	299·7	306·3	16th	284·1	276·9	27th	291·9	*291·0*	+1·2	73	+ 9
317	Minnedosa	50 15	99 50	515	952·4	1011·1	− 1·1	300·2	309·7	17th	284·7	278·6	10th	292·4	*292·1*	+1·8	29	− 31
318	Berens River	52 18	97 23	216	..	..	..	296·3	303·6	22nd	277·7	274·7	28th	287·0	..	−4·3	52	+ 9
318*a*	Port Nelson	57 4	92 36	14·9	1007·1	1008·9	− 1·3	290·8	299·7	18th	280·8	273·6	16th	285·8	..	+0·6	84	+ 41
319	Fort Hope	51 33	87 49	‡260	980·7	1013·5	..	298·0	308·0	18th	284·7	275·8	10th	291·3	*291·9*	+2·0	47	− 7
320	Moose Factory	51 14	80 30	9·1	1009·6	1010·7	− 1·5	298·0	306·3	13th	283·0	274·1	6th, 7th	290·5	..	+0·7	113	+ 58
321	Fort George	53 50	79 5	97·5	..	..	..	291·1	300·8	19th, 20th	281·8	274·7	15th, 17th	286·5	*286·5*	..	120	+ 58
322	Mistassini Post	50 15	73 55	383	..	..	..	294·8	304·1	2nd	283·2	275·8	29th	289·0	..	+1·2	98	+ 31
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	290·1	295·8	23rd	281·2	277·4	8th	285·6	..	−0·9	58	+ 20
326	Belle Isle	51 53	55 23	133	993·2	1009·6	− 2·6	282·7	289·7	17th	272·3	269·1	2, 8, 11	277·5	*277·9*	−5·3	233	+ 87
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1019·8	1021·5	+ 6·0	289·8	293·0	25th	284·2	281·3	23rd	287·0	287·1	−0·9	47	− 8
335	Aberdeen	57 10	W 2 6	26·8	1013·9	1017·2	+ 4·6	288·6	296·3	11th	282·1	276·9	14th	285·4	285·1	−1·3	57	+ 1
336	Greenwich	51 28	0 0	46·3	1011·6	1017·1	+ 1·9	292·3	299·7	11th	283·1	278·0	16th	287·7	287·2	−2·8		
337	Uccle	50 48	E 4 22	100	1003·5	1015·6	− 0·3	292·6	301·2	19th	283·0	278·6	15th	287·8	286·8	−2·7	149	+ 81
338	De Bilt	52 6	5 11	3·0	1014·7	1015·1	0·0	291·2	301·0	20th	283·7	279·5	15th	287·5	286·9	−3·2	129	+ 61
338*a*	Hamburg	53 33	9 58	26·0	1010·7	1013·8	0·0	291·8	299·0	19th	285·0	280·5	14th	288·4	*287·9*	−2·1	66	− 2
339	Copenhagen	55 41	12 36	5·0	1011·5	1012·1	− 0·8	291·4	297·4	11th	286·3	282·1	15th	288·9	*288·7*	−0·8	83	+ 15
340	Potsdam	52 23	13 4	84·9	1003·6	1013·8	− 0·6	294·3	300·4	19th	284·4	278·8	15th	289·3	288·6	−1·9	41	− 27
340*a*	Upsala	59 51	17 38	24	1008·2	1011·0	+ 0·3	296·5	303·1	11th	284·7	279·4	27th	290·6	291·0	+1·8	51	− 17
341	Warsaw	52 13	21 1	133	996·3	1011·9	− 1·7	294·1	301·8	21st	286·1	279·2	1st	290·1	290·0	−1·9	106	+ 38
342	Dorpat (Jurjev)	58 23	26 43	74·5	1002·7	1011·5	+ 0·5	296·9	302·4	11th	286·4	281·8	2nd	291·7	291·1	+1·1	52	− 15
343	Petrograd	59 56	30 16	4·8	1010·7	1011·3	+ 0·3	296·6	301·5	11th	288·5	284·2	2nd	292·6	*292·6*	+2·0	5	− 61
344	Kiev	50 27	30 30	183	989·0	1011·3	− 0·4	297·5	302·8	22nd	287·8	282·4	16th	292·6	*291·8*	−1·0	70	− 31
344*a*	Moscow	55 50	37 33	167	991·5	1011·1	+ 0·5	297·3	301·3	5th	286·7	282·8	23rd	292·0	*291·6*	−0·3	89	− 12
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1001·5	1010·9	+ 1·7	300·5	306·5	17th	287·0	281·3	8th	293·8	*293·7*	+0·5	44	− 17
347	Orenburg	51 45	55 6	109	996·3	1009·0	+ 0·9	301·3	308·6	29th	287·8	282·5	12th	294·6	*294·7*	+0·2	21	− 40
348	Perm	58 1	56 16	159	990·7	1009·4	+ 0·9	..	302·0	18th	284·5	278·1	8th	..	*290·3*	−0·7	42	− 19
349	Ekaterinburg	56 50	60 38	281	975·4	1008·2	− 1·1	295·5	302·3	19th	284·0	278·8	9th	289·8	*289·7*	−0·6	47	− 13
350	Tobolsk	58 12	68 14	?108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	..	..	..	..	..	..	..	..	..	..	..	..	..	..
355	Minousinsk	53 43	91 41	249	977·1	1005·7	− 1·0	..	306·0	16th	287·9	281·8	6th	..	*294·5*	..	72	+ 24
356	Eniseisk	58 27	92 10	77·6	996·8	1005·9	− 1·2	..	303·0	15th	285·5	275·7	31st	..	*291·8*	0·0	54	− 2
357	Irkutsk	52 16	104 19	467	953·4	1006·8	+ 0·2	..	302·3	21st	285·0	279·8	12th	..	*291·2*	+0·5	137	+ 81
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	681	929·5	1005·7	+ 1·4	..	304·2	22nd	287·4	282·4	9th	..	*293·3*	+1·7	103	+ 47
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	964·3	1007·9	..	299·5	304·0	8th	282·2	270·9	17th	290·8	*291·9*	..	88	+ 41
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	991·5	1007·9	− 3·3	302·4	309·4	14th	290·1	281·7	18th	296·2	*296·4*	+2·3	64	+ 17
363	Paikanskii Sklad	50 11	130 7	145	..	..	..	..	..	..	..	..	..	..	..	..	..	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1006·8	1009·4	+ 2·3	..	301·2	16th	283·9	277·3	25th	..	*289·9*	+0·5	100	+ 44
366	Okhotsk	59 21	143 12	6·0	1006·4	1007·1	− 2·4	285·5	295·4	18th	281·2	277·3	3rd	283·4	*284·0*	−1·2	93	+ 37
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

JULY—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·1	1017·6	+ 0·9	291·9	301·9	14th	283·6	281·3	1st	287·7	287·0	−0·7	1	− 8
412	Portland, Oregon	45 32	122 41	46·6	1011·3	1016·6	− 0·4	299·6	310·8	14th	286·4	282·4	7th	293·0	*293·0*	+0·9	6	− 9
413	Macleod	49 44	113 24	953	..	..	..	301·6	311·9	17th	284·7	277·4	27th	293·1	*293·5*	+1·9	29	− 22
414	Helena	46 34	112 4	1253	873·9	1012·2	− 1·2	303·4	310·2	16th	287·0	280·8	7th	295·2	*295·2*	+2·8	4	− 25
415	Salt Lake City	40 46	111 54	1329	866·6	1010·5	− 1·5	306·4	309·7	10th	293·3	288·0	8th	299·8	*300·2*	+2·6	2	− 11
415*a*	Cheyenne	41 8	104 48	1856	816·0	1012·5	− 0·2	300·8	307·4	9th	287·1	283·0	19th	294·0	*294·0*	+1·3	72	+ 22
416	North Platte	41 8	100 45	859	917·1	1013·9	+ 0·5	305·1	312·4	26th	291·1	284·1	21st	298·1	*297·3*	+1·0	126	+ 55
417	Bismarck	46 47	100 38	511	954·7	1013·5	− 0·3	303·6	310·8	17th	288·3	281·3	19th	295·9	*296·4*	+2·2	19	− 38
418	Winnipeg	49 53	97 7	232	984·4	1011·3	− 1·4	300·2	305·2	16th	286·9	280·2	10th	293·6	*293·4*	+1·6	97	+ 17
419	Duluth	46 47	92 6	345	974·0	1014·5	+ 0·5	297·5	304·1	22nd	287·5	283·0	7th	292·5	*293·0*	+2·2	67	− 36
420	Fort Arthur	48 27	89 12	196	990·6	1013·6	− 0·1	298·0	306·3	17th	285·8	278·6	12th	291·9	*291·3*	+2·1	66	− 30
421	Chicago	41 53	87 37	251	986·7	1015·9	+ 0·7	301·8	308·6	27th	294·3	289·7	11th	298·0	*297·9*	+2·4	40	− 48
422	Toronto	43 40	79 24	116	1001·7	1015·3	+ 1·1	302·4	309·7	4th	289·7	284·1	11th	296·1	295·3	+3·0	81	+ 5
423	New York (Central Park)	40 46	73 58	30·2	1012·0	1015·5	0·0	301·1	310·2	4th	292·8	288·6	1st	296·9	297·0	0·0	216	+ 103
424	St. John, N.B.	45 17	66 4	36·2	1009·3	1013·6	+ 0·1	293·0	300·8	20th	284·7	281·3	1st	288·8	288·1	0·0	115	+ 23
424*a*	S.W. Point, Anticosti	49 24	63 33	9·1	1010·8	1011·9	+ 1·5	288·6	291·9	14th	283·0	279·1	2nd	285·8	*285·9*	−0·9	27	− 56
425	Sable Island (Main Station)	43 57	60 6	7·6	1015·4	1016·3	+ 0·2	288·6	291·9	21, 28, 29	284·1	279·7	4th	286·3	*286·1*	−1·9	43	− 53
426	Port aux Basques	47 35	59 10	9·1	1011·2	1012·3	− 1·3	288·0	294·7	24th	281·9	277·4	10th	284·9	*284·7*	−1·2	161	+ 44
	St. John's, Newfoundland	47 34	52 42	38·1	1006·8	1011·4	− 1·7	291·3	297·4	16, 18, 29	280·8	274·7	1st	286·1	*285·7*	−1·8	123	+ 33
435	Madrid	40 24	3 41	655	940·6	1014·0	− 0·8	305·7	310·9	24th	287·2	281·0	8th	296·5	296·0	−0·9	2	− 8
436	Nantes	47 15	W 1 34	36·5	1013·9	1018·2	+ 0·6	294·9	300·9	18th	283·8	280·9	14th	289·3	289·3	−2·4	53	− 4
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·6	1017·7	+ 0·7	293·1	299·6	18th	283·5	279·3	27th	288·3	288·2	−3·1	67	+ 15
438	Marseilles	43 18	5 23	75	..	1014·9	− 0·2	299·1	302·9	6th	287·0	283·0	18th	293·1	*292·4*	−2·9	5	− 23
438*a*	Zürich	47 23	8 33	493	959·7	1017·3	− 0·1	294·2	302·0	19th	283·4	278·7	17th	288·8	288·0	−3·5	135	+ 6
439	Rome	41 54	12 27	45	1009·2	1014·6	− 0·4	301·1	304·7	7th, 13th	290·3	287·3	19th	295·7	*295·8*	−1·7	1	− 18
440	Vienna	48 15	16 22	203	980·8	1013·7	− 1·1	294·2	299·7	20th	285·9	282·4	1st	290·1	289·8	−2·7	92	+ 22
440*a*	Buda-Pesth	47 31	19 2	130	997·8	1013·1	− 0·8	298·3	305·0	8th	287·0	283·4	15th	292·6	*292·3*	−1·5	29	− 26
441	Sofia	42 42	23 20	550	950·6	1013·3	+ 0·6	299·6	307·6	9th	286·9	283·0	24th	293·3	*293·2*	−0·4	69	+ 2
442	Bucharest	44 25	26 5	82	1002·6	1012·2	− 0·6	301·5	306·5	7th	287·9	284·8	24th	294·7	294·5	−1·3	78	+ 11
443	Odessa (University)	46 26	30 46	42·8	1006·6	1011·6	− 0·7	298·0	300·5	2nd, 3rd	289·8	285·8	29th	293·9	*293·6*	−1·8	94	+ 45
444	Kharkov (University)	50 0	36 14	140	994·3	1010·7	− 1·3	299·5	304·6	6th	287·4	282·5	31st	293·4	*292·8*	−0·2	55	− 11
444*a*	Novorossiisk	44 44	37 49	37·1	1006·7	1011·0	0·0	298·5	301·5	18th	290·2	285·0	17th	294·4	*294·3*	−1·7	184	+ 128
445	Tiflis	41 42	44 48	404	964·2	1010·1	− 0·3	301·4	309·3	28th	290·7	287·3	10th	296·0	*295·9*	−1·5	41	− 9
446	Astrakhan	46 21	48 2	− 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 16	− 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	− 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
450	Tachkent	41 20	69 18	478	950·6	1003·7	− 0·6	308·4	316·5	10th	291·8	286·9	5th	300·1	*299·7*	0·0	0	− 4
451	Narynskoe	41 26	76 2	?2015	793·4	..	..	?301·7	?308·0	11th	?288·8	?282·7	4th	?295·2	*?295·7*	..	29	..
452	Vernyi	43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1002·8	1007·8	+ 3·7	306·9	309·5	26th	295·0	292·7	3rd	300·9	300·5	+2·9	31	−126
462	Ioshin	40 40	129 11	4·0	1010·2	1010·7	+ 3·7	298·4	310·5	25th	291·2	284·0	8th	294·8	294·6	+1·8	1	−122
463	Yuki	42 20	130 24	65·6	1003·0	1010·8	..	297·0	309·4	25th	289·7	284·5	8th	293·3	292·8	..	22	..
464	Vladivostok	43 7	131 55	128	996·3	1011·4	+ 3·2	296·2	303·8	25th	289·0	285·6	7th	292·6	291·8	+0·2	27	− 50
465	Oehiai	47 20	142 46	6·6	1009·7	1010·5	+ 0·3	295·3	303·4	16th	283·9	276·6	27th	289·6	289·1	+1·2	74	− 32
466	Nemuro	43 20	145 35	26·7	1009·4	1012·6	+ 2·5	292·3	299·8	25th	285·5	281·0	9th	288·9	288·4	+1·3	139	+ 42
466*a*	Syana	45 14	147 53	39·3	1007·4	1012·1	+ 1·4	293·0	300·1	16th	285·1	279·4	8th	289·1	288·8	+2·4	74	− 6
		N.	E.															

Between Latitude 40° N. and 30° N.

JULY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1008·4	1014·2	− 0·1	290·2	298·6	7th	283·7	281·3	3rd	286·9	*286·5*	−0·6	0	− 1
512	San Luis Obispo	35 18	120 39	61·3	1007·0	1014·2	− 0·2	297·1	305·2	9th	283·5	279·1	2nd	290·3	*288·8*	−1·1	0	0
513	San Diego	32 43	117 10	26·5	1009·8	1012·8	− 0·1	296·1	299·1	23rd	290·6	288·6	2nd	293·3	*292·9*	+0·5	0	− 1
514	Modena	37 48	113 54	1670	834·7	1011·2	− 0·3	304·6	309·1	9th	287·4	283·6	3rd	296·0	*294·9*	+1·0	35	− 2
515	Santa Fé	35 41	105 57	2138	790·9	1011·8	+ 0·2	298·3	302·4	12th	287·5	285·2	22nd	292·9	*291·6*	−1·8	102	+ 36
516	Denver	39 45	105 0	1613	839·6	1012·8	+ 0·1	303·3	308·0	10th	290·3	286·3	16th	296·8	*296·1*	+1·0	133	+ 90
517	Abilene	32 23	99 40	530	954·7	1014·2	+ 1·0	305·3	309·1	18th	293·9	291·9	25th	299·6	*299·5*	−1·4	38	− 16
518	Saint Louis	38 38	90 12	173	995·4	1015·6	+ 0·4	305·7	310·2	31st	295·4	291·9	7th	300·6	*300·6*	+1·4	38	− 52
519	Mobile	30 41	88 2	17·4	1014·2	1016·2	− 0·1	304·8	308·0	7th	296·3	293·6	10th	300·6	*299·7*	−0·2	176	− 5
520	Nashville	36 10	86 47	166	997·5	1016·9	+ 0·8	305·5	308·0	13th	294·6	291·9	21st	300·0	*299·5*	+0·2	46	− 59
521	Charleston	32 47	79 56	14·6	1015·9	1017·6	+ 0·8	303·3	309·1	29th	296·7	290·8	1st	300·0	*300·4*	0·0	217	+ 43
522	Washington	38 54	77 3	34·1	1012·1	1015·9	+ 0·5	303·0	311·3	5th	293·2	286·3	1st	298·1	*298·1*	+0·2	173	+ 57
523	Bermuda	32 17	64 46	46·0	1016·3	1022·7	+ 1·2	301·9	304·1	22, 27, 29	295·2	292·4	10th	298·6	*298·3*	−1·2	21	− 95
524	Santa Cruz (Flores)	39 27	31 9	28	1026·1	1029·2	+ 3·3	297·6	300·4	19th	291·0	289·0	3rd	294·0	*294·0*	−0·5	27	− 34
530	Horta	38 32	28 38	65	1020·8	1028·2	+ 3·2	297·1	300·9	27th	291·3	288·9	7th	294·2	293·7	−0·8	38	− 16
531	Ponta Delgada	37 44	25 40	22	1024·7	1026·6	+ 2·5	295·5	297·4	19th	290·9	288·6	15th	293·2	293·0	−0·9	..	..
532	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	31	− 1
532*a*	Madeira (Funchal)	32 37	16 54	25	1019·1	1022·0	+ 1·8	295·2	296·5	31st	291·5	290·0	8th	293·4	*293·5*	−1·1	1	− 2
533	Lisbon	38 43	9 9	95	1005·7	1016·9	− 0·7	298·1	307·8	16th	290·1	287·5	2nd, 6th	294·1	*293·7*	−0·4	1	− 4
534	Gibraltar	36 6	5 21	16·2	1014·9	1016·8	− 0·2	299·2	301·9	2, 19, 24	291·2	288·6	8th, 9th	295·2	*294·8*	−1·6	0	− 1
535	Melilla	35 18	2 59	8	‡1016·8	‡1017·7	− 1·1	302·5	306·4	2nd	289·6	286·6	9th	296·0	*296·5*	−2·9	0	0
		N.	W.															

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

RÉSEAU MONDIAL

JULY—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1013·1	1015·8	— 1·6	301·1	304·4	30th	291·0	288·6	9th	296·0	..	—2·0	2	—
538	Algiers (Bouzaréah)	36 48	3 2	343	976·2	1015·2	— 0·6	298·4	313·3	4th	291·0	289·2	27th	294·7	294·1	—1·8	2	—
539	Tunis	36 48	10 10	21	1014·7	1017·1	..	304·7	314·0	12th	293·0	288·0	18th	298·8	*298·0*	—0·5	0	—
539*a*	Malta	35 54	14 31	56·4	..	1014·7	— 0·9	302·1	312·8	13th	294·6	292·4	17, 19, 20	298·3	*297·5*	—0·4	0	—
540	Riposto	37 41	15 14	14·2	..	1017·5	+ 1·2	299·8	302·2	6, 7, 8	293·5	292·0	1st, 28th	296·7	*295·4*	—2·5	0	—
541	Athens	37 58	23 43	107	999·7	1012·0	+ 0·6	304·7	312·7	8th	294·8	290·5	1st	299·7	299·7	—0·1	0	—
542	Alexandria	31 12	29 53	32·0	1006·7	1010·4	+ 0·5	302·9	310·3	17th	295·7	294·4	3rd	299·3	*298·8*	+0·4	0	—
543	Cairo (Helwan)	29 52	31 20	116	995·8	1009·1	+ 0·9	309·1	314·5	14th	294·1	292·2	3rd	301·6	301·1	+0·3	0	—
544	Nicosia (P.W.D.)	35 9	33 22	159	..	1006·5	+ 0·5	309·0	312·4	13th, 14th	293·4	290·8	26th, 27th	301·2	..	0·0	0	—
544*a*	Beirut	33 54	35 28	33·7	..	1008·2	+ 1·4	303·2	304·3	15th	296·1	293·7	2nd	299·6	*299·5*	—0·2	0	—
545	Baghdad	33 21	44 28	38·1	..	999·4	— 0·6	315·3	319·4	13th	299·5	295·2	18th	307·4	*305·3*	—0·3	0	—
546	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546*a*	Lenkoran	38 46	48 52	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	..	..	..	309·6	312·8	21st	295·0	289·1	9th	302·3	*302·1*	—0·1	0	—
549	Seistan	31 0	61 30	?	..	..	..	313·7	318·4	10th, 16th	298·5	294·6	9, 15, 29	306·1	..	..	0	—
550	Quetta	30 11	67 3	1677	826·3	..	+ 0·3	309·1	312·3	12th	292·3	286·8	1st	300·7	*300·5*	+1·7	25	+25
551	Peshawar	34 2	71 37	339	960·6	997·4	— 0·5	314·9	321·7	7th	300·9	297·7	14th	307·9	*307·4*	+2·2	15	+15
551*a*	Lahore	31 34	74 20	214	974·4	997·8	+ 0·3	310·9	318·7	6th	301·6	296·7	29th	306·2	*305·6*	+0·8	277	+277
552	Simla	31 7	77 8	2205	776·7	..	+ 0·2	292·7	297·3	1st	288·6	285·7	7th	290·6	*290·4*	—0·5	689	+689
552*a*	Leh	34 10	77 42	3503	664·6	..	+ 0·4	297·9	301·7	12th	284·1	281·2	1st	291·0	*290·0*	+0·4	5	+5
559	Hankow	30 35	114 17	37·0	1001·4	1005·6	+ 1·5	304·6	309·2	16th	297·7	294·3	13th	301·1	*300·6*	—0·8	136	+136
560	Tientsin	39 10	117 10	5·0	1006·6	1007·1	+ 3·1	304·8	311·1	6th	296·4	292·9	11th	300·6	*300·1*	+0·5	291	+291
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1005·9	+ 1·2	304·2	307·3	13th	295·9	292·4	11th	300·1	299·3	—0·6	288	+288
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1001·8	1009·7	+ 3·3	302·6	307·8	31st	294·4	291·0	8th	298·5	297·7	+1·5	184	+184
562*a*	Nagasaki	32 44	129 52	133	994·0	1009·3	+ 0·9	302·3	305·4	29th, 30th	295·1	291·8	9th	298·7	298·3	—0·2	274	+274
563	Kioto	35 1	135 44	42·9	1006·0	1010·9	+ 2·6	303·4	308·3	21st	293·7	286·8	9th	298·6	297·8	—0·1	170	+170
564	Tokio	35 41	139 45	21·3	1009·5	1012·0	+ 2·7	300·5	304·4	18th	293·2	288·5	8th	296·9	296·6	—0·5	177	+177
565	Kanayama	37 53	140 46	24·0	1009·3	1012·2	+ 2·9	300·1	305·3	22nd	291·0	284·2	9th	295·5	294·9	+0·2	112	+112
566	Miyako	39 38	141 59	30·4	1008·2	1011·7	+ 2·3	299·9	307·2	23rd, 25th	289·6	282·6	8th	294·7	293·9	+1·2	26	+26

JULY—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1020·6	+ 1·7	300·3	302·4	24th	294·1	291·9	12th	297·2	..	..	40	—
605	Honolulu	21 19	157 52	11·6	1015·3	1016·6	+ 0·1	301·0	301·9	..	295·7	294·1	..	298·3	*298·2*	0·0	21	—8
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	861·0	1011·4	..	300·2	305·0	18th	290·9	288·7	7th	295·5	*295·0*	..	149	—
616	Leon	21 7	101 41	1809	823·1	1011·0	+ 1·3	298·1	301·6	25th	288·1	286·8	29th	293·1	*291·6*	—1·7	227	—
616*a*	Monterry	25 40	100 18	528	953·8	1012·3	..	304·1	310·0	20th	294·1	288·5	31st	299·1	*297·6*	..	158	—
617	Tulancingo	20 5	98 22	2180	792·5	..	..	..	298·0	..	..	279·0	..	..	290·2	+0·3	173	—
618	Galveston	29 18	94 50	16·5	1014·6	1016·6	+ 0·9	303·4	308·6	16th	298·2	293·6	22nd	300·8	*300·9*	—0·4	95	—
618*a*	New Orleans	29 57	90 4	16·2	..	1016·2	+ 0·2	305·1	308·0	7th	297·1	294·1	12th	301·1	*300·2*	—0·2	194	—
619	Merida, Yuc.	20 58	89 38	22	1012·8	1015·2	..	304·9	306·4	21st	296·1	295·2	1, 15, 29	300·5	*299·9*	..	154	—
620	Havana	23 8	82 21	24·3	..	1017·1	+ 0·7	303·4	305·1	23rd	296·9	294·8	25th	300·1	*299·9*	0·0	135	—
620*a*	Key West	24 33	81 48	6·7	1016·2	1016·9	+ 0·1	303·9	304·7	4th	298·2	294·1	25th	301·1	*301·0*	—0·7	133	—
621	Nassau, Bahamas	25 5	77 21	3·7	..	1020·0	+ 2·5	303·2	304·1	1, 8, 30	297·6	294·1	20th	300·4	*300·5*	—0·8	250	—
622	Watling Island	24 6	74 26	33·5	1015·0	1018·8	+ 1·7	..	303·0	25th, 27th	..	299·1	2, 3, 16	..	*301·2*	..	..	—
633	Izaña	28 19	16 30	2367	772·6	..	..	294·0	299·6	26th	285·1	275·9	12th	289·6	*289·0*	..	0	—
634	La Laguna	28 28	W16 20	547	953·5	1016·2	— 0·4	296·1	301·0	2nd	287·8	286·2	10th	291·9	*291·3*	—1·5	2	—
637	Insalah	27 1	E 2 21	?280	..	..	..	324·3	327·0	31st	295·7	290·2	11th	310·0	*312·1*	—0·4	0	—
641	Siwa	29 12	25 29	— 23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	994·3	1005·4	— 0·8	315·3	320·6	15th	299·6	297·4	25th	307·5	*307·0*	+1·2	..	—
644	Tor	28 14	33 37	1·9	1004·9	1005·1	+ 0·2	306·3	314·5	14th	297·0	293·9	6th, 7th	301·7	*300·7*	+0·1	..	—
647	Bushire	28 59	50 53	4·3	996·3	996·9	— 0·4	307·2	309·9	30th	301·7	299·4	2nd	304·4	*303·7*	—0·6	0	—
648	Jask	25 44	57 47	4·0	997·3	997·8	— 0·6	307·8	311·9	3rd	301·4	300·2	7th	304·6	*303·9*	—1·1	0	—
649	Robat	29 45	60 55	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
649*a*	Karachi	24 53	66 57	4·0	998·7	999·2	+ 0·1	304·3	307·2	23rd	300·4	297·8	22nd	302·3	*301·6*	+0·3	44	—
650	Jacobabad	28 17	68 29	56·7	990·3	996·5	+ 0·2	315·8	323·1	1st	302·7	298·6	30th	309·3	*308·7*	+0·4	5	—
651	Jaipur	26 56	75 52	436	952·4	999·8	+ 0·4	307·1	316·1	1st	298·9	295·3	12th	303·0	*302·2*	—0·1	193	—
652	Nagpur	21 8	79 5	310	968·1	1002·6	+ 1·1	303·8	306·3	18th, 25th	296·9	295·0	21st	300·4	*299·8*	—0·2	351	—
653	Allahabad	25 25	81 51	94·1	989·9	1000·4	+ 1·4	305·3	316·0	1st	298·8	296·9	15th	302·1	*301·5*	—0·9	286	—
653*a*	Darjiling	27 3	88 18	2266	772·8	..	+ 0·2	293·3	298·2	30th	287·7	286·0	22nd	290·5	*290·3*	+0·8	907	—
654	Calcutta	22 36	88 23	6·4	1000·3	1001·0	+ 0·9	304·7	307·7	30th	299·2	297·2	12th	301·9	*301·7*	+0·3	305	—
655	Gauhati	26 8	91 41	59·7	996·3	1003·0	+ 1·0	305·4	308·9	30th	298·7	294·9	21st	302·1	*301·5*	+0·1	304	—
655*m*	Cherrapunji	25 15	91 42	1314	863·1	..	+ 0·6	295·2	300·7	30th	291·1	289·2	21st	293·1	*292·6*	—0·3	2281	—
655*a*	Akyab	20 11	92 56	6·1	1003·6	1004·3	+ 0·5	302·6	305·7	29th	297·1	295·0	13th	299·8	*299·9*	—0·3	1782	—
656	Mandalay	21 59	96 0	76·2	996·7	1005·2	+ 0·9	308·4	311·9	22nd	298·8	296·4	13th	303·6	*303·0*	+0·3	132	—
656*a*	Tengyueh	24 59	98 35	1633	829·9	..	..	295·7	300·8	29th	289·8	287·4	21st	292·7	*291·9*	..	336	—
657	Phu Lien	20 48	106 37	116	990·3	1003·5	+ 1·0	305·5	309·7	12th	298·6	294·8	19th, 20th	302·1	*301·5*	+0·2	306	—
658	Moncay	21 31	107 51	9·0	1003·0	1004·0	+ 1·6	304·8	308·5	31st	297·6	294·5	19th	301·2	*301·1*	—0·3	531	—
659	Hong Kong	22 18	114 10	33·2	..	1005·8	+ 1·0	303·2	305·7	3rd	298·7	296·1	4th, 5th	300·9	300·7	—0·1	493	—
660	Amoy	24 27	118 4	ca.3	1005·8	1006·1	+ 0·7	304·4	306·9	29th	299·5	294·7	12th	301·9	*301·7*	—0·1	54	—
661	Taihoku, Formosa	25 2	121 31	9·3	1005·3	1006·3	+ 0·7	307·2	309·2	25th	297·3	295·5	18th	302·2	301·7	+0·7	63	—
661*a*	Basco (Santo Domingo)	20 28	121 59	18·7	..	1005·5	+ 0·3	304·6	306·0	19, 20, 23	297·8	?293·9	3rd	301·2	*301·1*	—0·1	160	—
662	Naha	26 13	127 41	10·5	1005·6	1006·8	— 0·9	305·7	307·7	21st	297·5	295·7	10th, 29th	301·6	301·5	+0·5	306	—
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1010·7	1011·1	— 0·1	303·0	305·0	17th	297·0	292·3	14th	300·0	299·7	—0·4	137	—

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. **JULY—ZONE 7.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	957·5	1012·3	..	301·9	304·6	21st	296·4	295·0	16th, 17th	299·1	*298·4*	..	155	..
716	Morelia	19 42	101 7	1923	810·4	1008·2	..	294·1	295·3	22, 28, 30	..	..	..	..	*290·9*	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·1	1012·6	+ 0·3	296·4	300·4	21st	284·3	282·4	21st	290·4	288·6	—0·1	168	+ 40
718	Salina Cruz	16 12	95 12	56	1006·0	1012·4	..	303·6	305·9	27th	297·1	294·5	12th	300·4	*300·0*	..	169	..
719	San Salvador	13 42	89 13	‡665	936·8	1011·2	+ 0·1	306·4	309·4	24th	290·6	288·5	13th	298·5	*296·4*	—0·2	351	+ 49
720	Belize	17 29	88 12	5·2	1013·4	1014·0	+ 1·3	303·6	304·4	3rd, 20th	297·7	294·7	7, 15, 17	300·7	*300·3*	+0·2	95	—158
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·4	0·0	304·6	306·1	7th	295·6	294·4	8th	300·1	*300·1*	+0·3	121	— 29
722	Port au Prince	18 34	72 22	37·4	1011·2	1015·5	+ 0·3	307·4	310·4	27th	296·5	294·7	17th	302·0	*300·9*	+0·2	95	+ 33
724	Caracas	10 30	66 55	1042	900·5	1016·3	+ 0·6	298·7	300·5	19th	288·6	287·4	18th, 20th	293·7	*292·5*	—0·7	64	— 49
724*a*	Montserrat	16 41	62 9	39·6	1011·0	1015·6	— 0·2	304·9	307·4	15th	296·9	295·2	1, 23, 26	300·9	*300·4*	..	91	..
725	Grenada (Richmond Hill)	12 5	61 46	155	995·6	1013·4	+ 0·3	302·3	303·6	17, 20, 31	297·0	295·2	4th	299·7	*299·0*	+0·6	180	— 69
725*a*	Barbados	13 8	59 36	55·2	..	1014·7	+ 0·1	303·5	304·3	24th	296·4	295·2	14th	299·9	*299·9*	+0·5	78	— 64
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·3	1014·6	+ 0·5	299·1	301·0	22, 23, 29	293·2	291·2	15th	296·2	*297·0*	—1·3	0	— 6
733	San Tiago, C. Verde Is.	14 54	23 31	?40	..	..	..	300·9	302·7	6th	297·3	296·1	11th	299·1	*298·7*	+0·4	0	— 10
734	Bathurst	13 27	16 36	1·8	1013·0	1013·2	+ 0·4	303·7	305·2	8th, 30th	..	..	..	..	*300·8*	—1·0	189	— 95
735	M'Carthy Island	13 33	14 45	1·1	..	..	..	305·5	308·0	4th	296·6	294·7	20th	301·1	..	+1·0	467	+ 271
736	Segou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
738	Sokoto	13 2	E 5 14	353	..	..	..	305·1	309·1	6th	294·8	291·3	19, 24, 25	299·9	*299·2*	—0·5	154	— 9
739	Kaduna Capital	10 32	7 25	637	945·1	1016·9	+ 1·1	299·9	303·0	2nd	292·7	290·8	4th	296·3	*295·7*	+0·2	151	— 57
740	Hadeija	12 40	10 5	?	..	..	..	306·9	314·1	1st	295·6	292·4	19th, 23rd	301·3	*300·6*	+0·4	152	..
741	Maiduguri	11 47	13 11	361	..	..	..	308·0	314·7	1st, 4th	296·4	292·4	14th	302·2	*301·6*	+0·6	228	+ 65
742	El Fasher	13 32	25 18	730	..	..	..	308·2	316·0	3rd	294·6	290·5	17th	301·4	..	..	189	..
743	El Obeid																	
743*a*	Khartoum	13 11	30 14	569	..	..	..	308·0	312·0	1, 2, 4	296·0	292·2	13th	302·0	*300·8*	+0·7	91	— 1
744	Port Sudan	15 37	32 33	390	964·8	1007·8	+ 0·5	311·5	316·3	1st	298·6	293·5	18th	305·1	*304·8*	—0·3	38	— 2
745	Berbera, Somaliland	10 22	45 2	9·5	1003·3	1003·9	— 0·5	313·1	318·0	1, 15, 16	300·3	294·5	29, 30, 31	306·7	*306·0*	—0·4	0	— 10
746	Aden	12 45	45 3	28·7	1003·9	1004·9	— 0·1	315·6	318·6	8th	304·2	295·2	29th	309·9	*309·3*	—0·1	177	— 2
					1000·2	1003·2	— 0·6	307·3	310·0	10th	301·6	298·4	24th	304·4	*304·3*	+0·3	0	— 1
751	Bombay	18 54	72 49	11·3	1003·1	1004·2	— 0·4	302·7	304·1	18th	298·7	297·1	2nd	300·7	*299·9*	+0·5	795	+160
751*a*	Cochin	10 58	76 21	2·7	1009·6	1009·9	— 0·3	301·3	303·3	9th	296·3	295·3	3rd, 31st	298·8	*298·0*	—0·2	640	+ 43
752	Kodaikanal	10 14	77 28	2343	768·7	..	— 0·1	290·8	293·1	25th	284·4	283·7	3rd, 4th	287·6	*287·5*	+0·3	114	— 13
752*a*	Bangalore	12 59	77 38	920	907·1	1007·3	— 0·1	301·1	302·8	23rd	292·2	291·3	8th	296·7	*295·6*	+0·3	110	+ 3
753	Madras	13 4	80 14	6·7	1005·0	1005·7	— 0·3	307·7	312·0	4th	298·6	296·1	11th	303·1	*302·3*	—0·5	159	+ 57
754	Vizagapatam	17 42	83 19	11·6	1001·1	1002·5	+ 0·5	304·7	307·1	9th	299·5	297·9	13th	302·1	*301·3*	+0·4	108	— 3
755	Port Blair	11 40	92 40	17·7	1005·7	1007·6	+ 0·1	302·9	305·0	16th	298·3	296·3	24th	300·6	*299·8*	+0·2	247	—153
756	Rangoon	16 46	95 48	5·5	1006·8	1007·4	+ 0·8	302·2	305·3	25th	296·9	295·3	12th	299·6	*298·6*	—0·4	689	+141
757	Saigon	10 47	106 42	11·2	1006·5	1007·7	+ 0·5	304·1	306·0	13th	297·2	295·0	6th	300·7	*300·2*	+0·1	98	—177
758	Nhatrang	12 15	109 12	3·6	1005·1	1005·5	+ 0·5	304·8	310·0	1st	297·1	296·0	9th	301·0	*300·5*	—0·6	12	— 41
759	Bolinao	16 24	119 53	7·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
759*a*	Vigan	17 34	120 23	12·2	..	1006·1	0·0	305·1	307·6	19th	297·0	294·0	3rd	301·1	300·8	+0·7	605	— 55
760	Manila	14 35	120 59	14·2	..	1007·2	0·0	304·0	306·9	12th, 13th	296·3	293·8	2nd	300·1	*299·6*	—0·4	810	+399
765	Ormoc	11 0	124 36	5·6	..	1007·1	— 0·1	305·8	307·6	13th	296·7	294·9	6th	301·3	*300·4*	+0·9	209	— 79
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1007·7	+ 0·1	304·1	305·0	7, 16, 17	297·6	296·2	1st, 2nd	300·9	*300·5*	0·0	198	—180
		N.	E.															

Between Latitude 10° N. and 0°. **JULY—ZONE 8.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
801	Fanning Island	3 55	159 23	3·1	..	..	..	304·9	307·4	3, 4, 10	297·5	294·1	14th, 15th	301·2	*300·7*	+0·8	346	+131
802	Colon	9 23	79 23	11·0	..	1010·5	0·0	302·0	303·6	6th	297·6	295·8	8th	299·8	*299·4*	+0·2	345	— 62
802*a*	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	70	+ 19
803	Merida, Venez.	8 36	71 9	1641	‡841·8	..	..	298·2	301·5	26th	288·2	286·0	9th	293·2	*292·1*	..	72	..
805	El Peru, Guayanavieja	7 19	61 49	220	987·0	1012·3	+ 0·2	..	..	..	..	..	..	..	‡*296·2*	0·0	164	— 14
806	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1015·0	+ 1·3	302·6	303·3	28th	297·1	295·8	1, 17, 18	299·9	*299·5*	+0·3	196	— 55
806*a*	Paramaribo	5 49	55 9	3·7	1014·7	1015·1	+ 1·2	303·3	305·2	31st	295·4	294·3	26th	299·3	*298·0*	—0·6	295	+ 90
807	Cayenne	4 56	52 21	6	..	..	..	304·0	305·2	25th, 28th	294·0	293·0	21st	299·0	*298·4*	—0·9	230	+ 54
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
835	Freetown, Sierra Leone	8 29	13 9	68·3	1007·2	1015·1	+ 1·8	300·9	303·6	3, 4, 9	..	..	..	..	‡*298·7*	—0·8	674	—199
836	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	46	— 9
837	Accra	5 33	W 0 12	25·7	..	..	..	302·2	..	..	..	..	..	..	..	..	0	— 43
838	Lagos	6 27	E 3 24	4·6	1014·2	1014·7	..	300·6	304·7	..	295·8	293·7	..	298·2	*297·8*	0·0	22	—247
839	Zungeru	9 48	6 10	130	..	..	..	302·9	305·8	1st	294·4	292·4	21, 28, 29	298·7	*298·2*	—0·3	145	— 50
841	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
842	Yola	9 12	12 30	259	..	..	..	303·5	308·6	4th	..	..	..	..	‡*298·4*	—0·2	241	+ 80
843	Wau	7 42	28 3	440	959·9	1009·5	— 0·8	303·4	306·0	1st, 2nd	293·9	292·0	25th	298·7	*297·4*	—0·6	171	— 14
844	Malakal (Kodok)	9 35	31 37	394	967·5	1012·2	+ 0·9	304·1	308·0	5th	294·5	292·6	29th	299·3	‡*297·7*	..	166	+ 20
845	Mongalla	5 11	31 47	439	961·5	1011·1	+ 0·5	303·6	306·0	1st	..	..	..	..	‡*297·2*	..	243	+111
846	Entebbe	0 5	32 29	1171	885·7	..	+ 0·6	297·1	299·4	19th	289·4	288·0	10th	293·3	*292·3*	—0·3	196	+120
847	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
848	Mimicoy	8 17	72 49	2·1	1010·4	1010·6	+ 0·5	..	..	..	..	..	..	..	..	..	367	+146
849	Colombo Observatory	6 54	79 53	7·3	1008·3	1009·1	+ 0·1	302·6	304·3	18th	297·8	296·2	28th	300·2	*299·4*	—0·1	108	— 56
849*a*	Nuwara Eliya	6 59	80 47	1886	..	..	..	292·0	294·9	4th	285·7	281·4	3rd	288·8	*288·1*	+0·9	468	+165
850	Trincomalee	8 34	81 14	30·2	1002·8	1006·2	+ 0·6	306·9	310·2	7th	298·2	296·1	25th	302·6	*301·8*	0·0	60	+ 5
851	Kota Radja	5 32	95 20	7·1	..	..	..

JULY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	*301·2*	+0·2	109	+ 81
924	Manaos	3 8	60 1	43·8	..	..	..	304·7	306·6	20th	296·9	295·8	11th	300·8	*299·8*	−0·4	46	− 7
926	Taperinha	2 30	54 20	20·0	1011·0	1013·3	+ 0·2	303·1	304·5	2nd, 28th	294·4	293·0	13th	298·8	*297·6*	0·0	66	− 2
927	Turyassu	1 43	45 26	15·1	1011·3	1013·0	0·0	304·7	306·9	12th	294·6	292·5	13th	299·6	*298·3*	0·0	116	+ 4
928	Barra do Corda	5 30	45 16	81·0	1003·0	1012·3	− 0·4	306·1	308·2	25th	292·8	288·4	29th	299·4	*297·4*	+0·1	0	− 1
929	Quixeramobim	5 16	39 15	207	991·1	1014·6	+ 0·2	303·9	305·5	sev. dates	296·1	294·0	12th	300·0	*299·9*	+0·5	34	+ 1
930	Fernando Noronha	3 50	W32 25	106	1003·0	1015·2	+ 0·1	300·0	300·7	6th	296·2	294·7	11th	298·1	*297·8*	..	42	− 1
939	Loanda	8 49	E 13 13	59·3	..	1016·7	+ 1·0	294·4	296·4	4th	290·5	289·0	15th	292·5	292·1	−0·6	0	− 3
940	Brazzaville	4 17	15 16	320	978·4	1015·0	− 0·4	301·8	305·0	sev. dates	291·7	290·0	10th, 24th	296·7	*296·0*	+1·5	0	− 3
943	Masaka	0 21	31 47	?1280	..	..	..	298·8	300·2	24th	288·9	288·0	18th	293·9	*292·4*	+0·3	96	+ 36
944	Nairobi	1 14	36 44	1800	..	..	..	291·9	295·8	9th	283·0	277·4	30th	287·4	*286·7*	−0·8	90	+ 26
944a	Zanzibar	6 10	39 11	21·9	1016·9	1019·3	+ 0·3	300·0	301·7	4th, 7th	295·7	294·2	23rd	297·8	*297·2*	+0·1	76	+ 26
945	Lamu	2 16	40 50	3·1	..	..	..	305·8	306·3	1st, 22nd	296·9	295·8	16th, 22nd	301·3	*300·7*	+2·1	228	+ 72
947	Seychelles, Port Office	4 37	55 27	4·6	1011·9	1012·5	− 1·1	300·5	302·7	..	298·1	297·4	..	299·3	*298·6*	+0·9	121	− 9
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	392	+ 98
958	Batavia	6 11	106 50	8·0	1009·3	1010·2	− 0·1	303·3	304·8	18th	295·5	294·0	31st	299·4	299·1	+0·2	25	− 67
958a	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	180	+ 46
959	Passeroean	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	0	− 76
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	4	− 68
962	Ambon	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	472	+ 177
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	166	− 19
965	Daru	9 4	143 13	7·6	..	1010·3	− 1·1	302·4	..	..	..	..	..	..	*‡298·6*	−0·3	55	− 49
966	Port Moresby	9 29	147 9	39·0	..	1012·3	+ 0·8	300·0	..	..	294·7	..	..	297·3	*296·9*	−1·5	18	− 76
967																		
968	Rendova	8 30	157 12	1·8	1010·4	1010·6	+ 0·2	..	..	..	..	..	..	..	..	..	605	+ 298
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·8	1010·1	0·0	303·3	305·4	14th, 20th	297·4	296·1	14th	300·3	*300·1*	+0·3	239	+ 201
970	Ocean Island	0 52	169 35	54·0	1000·9	1007·1	− 0·6	304·2	305·8	7th, 29th	297·1	295·2	15th, 17th	300·7	*300·1*	−0·1	303	+ 265
		S.	E.															

JULY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1012·3	+ 0·3	302·3	303·9	3rd	295·6	293·8	8th	299·0	298·6	+0·6	39	− 69
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	300·2	303·0	4th	292·2	289·1	9th	296·2	*296·0*	+0·1	69	− 39
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	
1021	Arequipa	16 22	71 33	2451	762·1	..	+ 0·4	292·7	296·3	27th	282·3	278·4	11th	287·5	*286·8*	+0·6	0	− 1
1022	Puerto de Arica	18 28	70 20	5	..	..	..	291·1	292·4	21st	284·3	283·4	sev. dates	287·7	*289·2*	+0·2	0	− 1
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	
1025	Corumba	18 59	57 39	116	1001·6	1015·2	+ 0·6	302·6	306·8	22nd	290·3	285·8	8th	296·4	*295·2*	+0·4	0	− 1
1026	Cuyaba	15 36	56 6	165	994·9	1013·8	+ 0·4	303·4	306·0	26th	293·8	285·8	17th	298·6	*298·4*	+1·0	0	− 1
1027	Bello Horizonte	19 55	43 57	857	924·6	1022·7	+ 3·1	295·4	298·6	15th	281·6	278·2	14th	288·5	*287·9*	−1·8	26	+ 1
1028	Caetite	14 3	42 37	900	919·7	1020·3	+ 1·3	294·7	297·2	21st	286·4	284·0	14th	290·6	*291·2*	−1·5	206	+ 177
1029	Ondina (Bahia)	13 0	38 31	46·6	1013·2	1018·7	+ 0·8	298·2	299·8	25th	293·7	292·1	6th	296·0	*296·0*	−0·5	..	..
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
1035	St. Helena	15 57	W 5 40	632	948·9	1021·4	+ 1·3	291·6	294·9	3rd	285·3	284·6	9th, 12th	288·4	*288·0*	+0·4	160	+ 124
1042	Gwelo	19 28	E 29 48	1417	865·8	..	− 0·3	295·6	299·7	10th, 11th	276·5	273·6	21st	286·1	..	0·0	0	− 1
1043	Salisbury, Rhodesia	17 48	31 5	1457	860·8	..	− 0·7	294·8	297·6	10th	277·3	274·1	27th	286·1	*285·3*	−1·3	0	− 1
1044	Zomba	15 23	35 18	996	913·3	1026·1	+ 0·7	296·4	300·2	19th	285·3	281·9	26th	290·9	*290·5*	+1·3	0	− 1
1045	Tananarive	18 55	47 32	1400	870·0	..	+ 1·5	292·2	294·8	13th	281·6	279·0	19th	286·9	*285·6*	−0·7	3	− 1
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	
1055	Cocos Keeling Is.	12 5	96 53	4·6	1012·2	1012·8	+ 0·4	301·3	302·8	8th, 9th	297·9	296·3	27th, 28th	299·6	*299·3*	+0·7	61	− 20
1056																		
1057	Christmas Island	10 25	105 43	5·5	1009·0	1009·6	0·0	303·3	304·1	..	295·7	293·6	..	299·5	*298·7*	0·0	108	+ 71
1058																		
1061	Koepang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	0	− 19
1061a	Derby	17 18	123 40	10·2	1015·2	1017·2	+ 2·0	302·1	305·8	25th	286·2	281·2	8th	294·1	..	−1·0	0	− 1
1062	Hall's Creek	18 13	127 46	374	975·9	1018·6	+ 2·0	299·7	303·6	25th, 26th	279·4	275·3	6th, 7th	289·6	*288·9*	−1·5	0	− 1
1063	Darwin	12 28	130 51	29·6	1010·2	1013·6	+ 1·1	302·4	304·7	26th	291·2	288·2	5th	296·8	*295·6*	−1·5	0	− 1
1064	Daly Waters	16 16	133 23	211	991·0	1015·2	+ 0·4	300·8	304·1	24th, 25th	283·7	277·4	6th	292·2	*291·5*	−1·3	0	− 1
1065	Mein	13 13	142 47	122	999·1	1013·1	+ 1·0	301·0	303·6	31st	289·1	284·2	10th	295·1	..	−1·3	0	− 1
1066	Georgetown, Queensland	18 22	143 32	302	982·8	1017·5	+ 1·8	300·1	303·0	13th	282·5	276·3	29th	291·3	..	−1·8	0	− 1
1067	Samarai	10 37	150 40	15·2	..	1012·5	+ 0·9	300·4	..	..	..	..	..	..	*‡298·1*	−0·6	137	+ 137
1072	Suva, Fiji	18 8	178 26	16·8	..	1014·0	− 1·6	298·3	301·4	24th	294·4	291·8	17th	296·3	*296·1*	+0·2	256	+ 256
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

JULY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	28	− 50
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·3	1017·6	+ 0·2	288·7	293·2	19th	283·7	280·0	7th	286·2	*286·0*	+1·2	60	+ 26
1122	Iquique	20 12	70 11	9	..	..	..	291·0	293·0	26th	284·0	282·4	12th	287·5	*289·2*	0·0	0	− 1
1123	Catamarca	28 27	65 47	510	953·6	1013·2	− 1·7	291·7	300·7	14th	279·4	271·0	1st	285·5	*285·8*	+1·0	144	+ 57
1124	Salta	24 46	65 28	1178	881·5	1013·5	− 1·2	292·1	305·7	12th	278·1	271·0	2nd	285·1	285·2	+0·6	0	− 1
1125	Goya	29 9	59 15	26	1011·8	1014·9	− 1·8	293·1	302·8	26th	285·8	278·0	1st, 31st	289·5	288·7	+1·4	169	+ 123
1126	Asuncion	25 21	57 37	95	‡1007·1	‡1018·4	+ 0·4	299·0	305·7	28th	288·3	281·2	11th	293·7	292·7	+0·8	97	+ 40
1126a	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1014·1	1021·3	+ 1·5	297·9	302·0	29th	290·6	289·3	8th	294·2	293·6	+0·6	3	− 42
1139	Windhoek	22 35	E 17 5	1680	..	..	..	293·5	295·6	13th, 14th	280·4	275·0	9th	286·9	*286·7*	+0·8	0	− 1
1140																		
1141	Kimberley	28 42	24 47	1202	887·5	..	− 0·9	292·7	296·8	1st	275·5	267·9	15th	284·1	283·7	+1·1	2	− 7
1142	Johannesburg	26 11	28 4	1806	828·1	..	+ 0·1	290·1	293·1	1st	278·9	274·2	19th	284·5	*284·0*	+1·2	1	− 5
1142a	Pretoria (Brooklyn)	25 46	28 13	1400	867·8	..	+ 0·2	292·6	295·8	8th	278·9	275·8	22nd	285·7	*285·2*	+2·1	3	..
1143	Bulawayo	20 9	28 35	1340	873·2	..	+ 0·2	295·0	299·9	..	279·7	276·9	..	287·3	*286·9*	+0·3	0	− 1
1144	Durban	29 52	31 3	15·2	1022·3	1024·1	− 0·3	295·4	300·0	14th	286·1	282·5	21st	290·7	*290·2*	+0·8	3	− 21
1145	Lorenzo Marques	25 58	32 36	59	..	1023·3	+ 0·8	297·4	302·2	6th, 9th	286·6	282·7	21st	292·0	291·5	+0·4	18	+ 5
1147	Mauritius	20 6	57 33	55·2	1014·9	1021·5	+ 1·1	296·4	297·8	14th	289·4	287·0	23rd	292·9	292·5	−0·4	65	+ 2
1159	Onslow	21 43	114 57	4·3	1015·8	1016·7	+ 0·3	300·4	304·6	19th	285·1	280·2	18th	292·8	..	+1·9	0	− 24
1160	Peak Hill	25 38	118 47	588	?951·4	?1017·5	− 0·5	296·3	301·4	19th	282·3	278·6	29th	289·3	..	+3·2	0	− 18
1161	Nullagine	21 53	120 5	386	974·7	1018·6	+ 0·9	300·0	302·7	18th	282·1	275·8	18th	291·0	..	+2·4	0	− 14
1162	Laverton	28 40	122 23	466	966·6	1020·1	− 0·2	295·3	302·4	19th	280·9	273·0	29th	288·1	*288·0*	+3·7	3	− 14
1163	Alice Springs	23 38	133 37	587	953·9	1021·9	+ 2·1	292·5	299·7	25th	273·7	268·0	7th, 8th	283·1	*282·8*	−1·4	0	− 11
1164	William Creek	28 55	136 21	76·2	1014·2	1023·4	+ 2·8	292·1	298·6	24th	276·5	271·6	17th	284·3	*284·0*	0·0	2	− 5
1165	Boulia	22 55	139 38	146	1003·0	1020·3	+ 2·8	296·2	302·7	25th	277·7	272·6	29th	286·9	*286·6*	−0·5	0	− 5
1166	Thargomindah	27 58	143 43	123	1007·6	1022·3	+ 2·9	292·6	298·7	25th	277·1	271·9	6th	284·8	*284·5*	−0·5	0	− 13
1167	Mitchell	26 32	147 52	336	982·2	1021·4	..	292·4	298·6	12th	272·4	268·6	16th	282·4	..	−1·4	1	− 34
1168	Rockhampton	23 24	150 30	11·3	1018·0	1019·4	+ 1·0	296·6	301·1	31st	282·1	275·2	5th	289·3	..	−0·2	0	− 35
1169	Brisbane	27 28	153 2	41·7	1015·5	1020·3	+ 2·0	293·9	298·6	30th	282·8	277·8	5th	288·3	*287·5*	+0·6	5	− 34
1170	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 4	167 59	15·2	1016·9	1018·7	+ 1·7	291·1	294·1	14th	287·1	283·6	6th	289·1	*288·7*	−0·1	222	+ 61
		S.	E.															

Between Latitude 30° S. and 40° S.

JULY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	287·9	292·0	16th	283·0	279·0	4th	285·5	*286·0*	+0·4	245	+ 92
1221a	Punta Tumbes	36 37	73 6	91	‡1005·4	‡1016·5	− 0·9	286·1	289·8	9th	280·3	275·5	7th	283·2	*283·4*	−0·2	141	+ 57
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1012·7	1017·7	− 0·3	289·0	293·7	19th	282·0	276·4	29th	285·5	*285·2*	+0·2	120	+ 13
1223	Santiago	33 27	70 42	520	956·8	1018·4	0·0	289·5	294·0	25th	277·5	272·0	1st	282·5	*281·8*	+1·0	144	+ 57
1224	Cordoba	31 25	64 12	423	966·3	1016·6	− 0·4	289·0	297·2	..	277·6	270·5	..	283·3	282·9	−0·3	45	+ 37
1225	Bahia Blanca	38 45	62 15	25	..	1016·3	+ 0·9	284·3	288·5	12th	277·5	272·0	7th, 29th	280·9	280·8	−0·4	123	+ 96
1226	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1016·2	− 2·4	287·2	294·1	4th	280·0	272·1	30th	283·6	283·6	+0·5	65	+ 9
1226a	Montevideo (Prado)	34 52	56 12	24·9	1014·6	1017·6	− 0·6	288·1	295·6	4th	281·2	275·8	9th	284·7	284·7	+1·5	62	− 2
1239	Porto Alegre	30 2	W51 13	23·5	1016·6	1019·4	− 0·4	295·4	302·0	28th	287·4	280·0	31st	291·4	290·9	+4·3	139	+ 44
1240	Cape Town	33 56	E 18 29	12·2	..	1020·6	− 0·4	289·0	294·0	28th	280·4	274·2	..	284·7	*283·4*	−0·9	97	+ 1
1241	Danger Point	34 37	19 18	27·7	1016·3	1019·6	..	288·7	295·2	20th	282·1	275·2	18th	285·4	..	..	76	− 16
1242	Riversdale	34 6	21 16	? 61	1008·0	1015·5	..	292·3	302·4	30th	275·4	271·3	17th, 19th	283·8	..	..	30	..
1243	East London	33 1	27 54	9·8	1019·1	1020·3	− 0·7	295·2	302·4	22nd	281·4	275·8	16th	288·3	..	+0·2	2	− 23
1259	Perth (Observatory)	31 57	115 51	60·0	1011·0	1018·4	− 0·5	291·6	296·4	17th	283·5	277·7	12th	287·6	*287·7*	+1·7	177	+ 11
1260	Katanning	33 42	117 35	310	981·0	1018·0	0·0	289·0	293·6	17th	280·1	273·6	31st	284·6	..	+1·8	92	+ 14
1261	Coolgardie	30 57	121 10	423	970·3	1019·7	+ 0·1	291·9	299·6	18th	280·6	274·6	12th	286·2	*286·1*	+2·5	35	+ 12
1262	Eucla	31 45	128 58	4·6	1019·5	1020·2	+ 0·7	293·1	301·9	19th	281·3	275·2	26th	287·2	*287·0*	+1·8	6	− 17
1263	Streaky Bay	32 48	134 13	13·1	1020·7	1022·1	+ 2·2	290·1	294·7	20th	281·7	277·4	1st, 3rd	285·9	*285·7*	+1·3	44	− 16
1264	Adelaide	34 56	138 35	42·7	1017·2	1022·4	+ 2·1	288·7	293·3	24th	279·9	275·7	27th	284·3	*284·2*	+0·4	35	− 32
1265	Melbourne	37 49	144 58	35·1	1016·8	1020·9	+ 1·8	285·9	289·6	25th	278·6	272·4	17th	282·2	*282·0*	0·0	59	+ 13
1266	Bourke	30 13	145 58	110	1012·7	1026·2	+ 3·9	291·7	299·1	25th	275·7	270·8	5th, 7th	283·7	..	−0·4	3	− 20
1267	Sydney	33 51	151 13	44·5	1015·2	1020·7	+ 2·4	290·6	296·3	21st	280·6	276·6	16th	285·6	*284·6*	+1·2	51	− 75
1268	Lord Howe Island	31 20	159 0	4·6	1017·6	1018·1	+ 1·3	291·1	293·4	12th	285·0	279·8	20th	288·1	..	−0·8	269	+ 67
1271	Auckland	36 50	174 50	38·1	..	1015·5	..	286·8	289·7	14th	280·8	276·9	28th	283·8	..	−0·2	105	− 25
1272	Napier	39 32	176 53	21·3	..	1017·1	+ 5·3	286·7	294·7	13th	278·7	271·6	17th	282·7	..	+0·3	65	− 36
		S.	E.															

Between Latitude 40° S. and 50° S.

JULY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	104	..	..	..	..	..	..	..	..	..	..	..	..	86	− 21
1321	Isla Guafo	43 34	74 45	140	994·2	1011·3	− 3·3	282·3	284·1	10th	279·1	277·0	5th, 6th	280·7	*280·9*	0·0	116	− 3
1323	Punta Galera	40 1	73 44	40	1010·3	1015·2	0·0	283·8	285·6	18th	279·8	275·6	7th, 8th	281·8	*282·2*	−0·1	351	+ 22
1324	Sarmiento	45 30	69 0	274	..	1009·5	..	281·5	287·5	10th	273·5	265·4	5th	277·5	277·5	+1·5	11	− 15
1325	Puerto Madryn	42 49	W64 58	14	..	1013·9	..	286·3	290·0	11th, 12th	274·1	269·5	29th	280·2	280·5	+0·7	0	− 13
1365	Launceston	41 27	E147 10	10·1	1014·8	1016·0	+ 1·5	284·9	287·6	24th	275·8	270·5	3rd	280·4	*280·0*	+0·4	58	− 19
1366	Hobart	42 53	147 20	53·9	1008·4	1015·1	+ 1·5	284·2	288·9	25th	277·2	274·0	14th	280·7	*280·3*	+0·3	56	+ 2
1370	Invercargill	46 25	168 21	5·5	..	..	..	282·8	287·4	13th	273·7	265·8	31st	278·2	..	+0·1	104	+ 17
1371	Dunedin	45 52	170 31	91·4	..	1014·9	+ 3·8	283·7	290·2	13th	276·7	272·4	25th, 26th	280·2	..	+1·9	68	− 10
1372	Christchurch	43 31	172 38	7·6	..	1016·2	+ 2·8	284·3	293·4	22nd	276·1	270·3	24th	280·2	..	+1·3	68	− 1
1374	Wellington	41 16	174 46	2·4	..	1017·7	+ 5·5	284·9	287·3	13th	278·7	273·0	8th	281·8	..	+0·1	77	− 69
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

JULY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	993·6	1000·4	— 1·6	280·0	281·5	sev. dates	276·5	274·3	4th	278·3	277·9	+1·0	193	— 5
1422	Puerto de Punta Arenas	53 10	70 54	4	1000·8	1001·3	— 0·9	277·3	280·3	7th	272·3	266·7	22nd	274·8	275·2	+1·1	101	+ 3
1423	Punta Dungeness	52 24	68 26	5	..	..	..	278·8	280·8	20th	273·3	270·4	19th	276·1	276·0	+0·5	15	— 1
1424	Santa Cruz	50 11	68 21	12	..	1004·4	— 3·3	279·1	283·5	8th	271·8	265·8	5th	275·5	275·4	+0·5	7	— 1
14244	Año Nuevo	54 39	64 8	50	993·6	999·8	+ 0·7	277·8	279·7	15th	274·9	270·6	19th	276·4	276·5	+1·7	37	— 1
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	69	+ 6
1426	Cape Pembroke	51 41	57 42	21	..	1004·7	+ 2·1	279·2	281·3	3rd	274·5	270·8	7th	276·9	277·1	+1·5	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

JULY—ZONE 15. Between Latitude 60° S. and 70° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
1527	South Orkneys	60 44 S.	44 39 W.	7	992·0	992·9	— 1·7	270·0	276·8	1st	261·9	248·0	23rd	265·9	266·1	+3·7	36	+ 6
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JULY 1919.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h	m/s	17½h	9h 17h	7h 21h	9h	9h	9h 21h	9h
1	S	4·0	N	NE 1 SW 1	NNW 1 NW 1	NE 4	SE 2	E 1 E 1	Calm 0
2	SSE	2·6	N	Calm 0 SW 1	E 1 SE 1	NE 3	SE 2	E 2 S 1	Calm 0
3	Calm	4·6	N	NE 1 SW 1	E 1 E 1	SE 3	ESE 2	SSW 1 Calm 0	Calm 0
4	SSE	8·8	W	NE 1 SW 1	E 1 SE 1	SE 3	ESE 4	N 1 Calm 0	Calm 0
5	SSE	9·0	W	NE 1 SW 1	E 1 E 1	NE 6	SE 4	E 1 E 2	Calm 0
6	SE	7·1	E	Calm 0 Calm 0	E 1 SE 2	NE 6	SE 2	E 1 E 1	SE 1
7	SE	7·4	SE	NE 1 SW 1	E 1 SSE 1	NE 6	E 2	E 1 E 1	SE 1
8	SSE	8·0	SE	NE 1 SW 1	E 1 E 1	NE 6	Calm 0	E 1 E 2	SE 1
9	SSE	9·1	SE	Calm 0 SW 1	Calm 0 W 2	NW 5	SE 2	E 1 E 1	SE 1
10	SE	7·1	N	NE 1 SW 1	E 1 W 1	NE 4	SE 4	E 2 E 3	SE 1
11	SE	7·6	N	Calm 0 Calm 0	W 1 E 1	E 4	SE 4	ESE 2 SE 3	SE 1
12	SE	6·9	E	Calm 0 Calm 0	E 1 SE 1	SE 4	SE 2	SW 1 WSW 1	SE 1
13	SE	9·1	E	Calm 0 Calm 0	E 1 SE 1	SE 4	SE 4	SW 2 Calm 0	SE 1
14	SE	8·7	E	Calm 0 SW 1	E 1 SE 1	NW 6	Calm 0	SW 1 W 2	Calm 0
15	SE	7·1	SE	NE 1 SW 1	E 1 E 1	N 6	Calm 0	WSW 2 W 3	SE 1
16	SE	6·5	SE	SW 1 SW 1	S 1 S 1	NE 6	SE 4	W 2 W 3	Calm 0
17	SSE	9·6	SE	NE 1 SW 1	E 1 E 1	NE 6	SE 6	W 1 W 2	SE 1
18	SSE	8·9	SE	SW 2 SW 1	SE 1 SE 1	NE 6	SE 6	W 1 W 2	NE 1
19	SE	5·9	E	Calm 0 Calm 0	E 1 E 2	SE 7	ESE 4	W 4 W 3	NE 2
20	SSE	8·3	E	Calm 0 Calm 0	Calm 0 E 2	SE 8	ESE 2	W 2 W 3	Calm 0
21	SE	8·1	SE	Calm 0 SW 1	S 1 S 2	SE 8	SE 2	WSW 4 WSW 2	Calm 0
22	SE	7·2	SE	Calm 0 SW 1	S 1 E 1	SE 8	Calm 0	E 3 E 3	NE 1
23	SE	9·7	SE	Calm 0 SW 1	SE 1 E 1	SE 8	Calm 0	ESE 3 E 3	NE 1
24	SSE	..	SE	Calm 0 SW 1	E 1 E 1	SE 7	SE 2	E 3 E 3	NE 1
25	SE	..	SE	Calm 0 Calm 0	SE 1 E 1	SE 7	SE 2	ESE 2 E 3	NE 1
26	SE	..	SE	Calm 0 SW 1	E 1 S 1	SE 7	SE 4	ESE 3 E 2	Calm 0
27	SE	..	SE	Calm 0 Calm 0	S 1 S 1	SE 6	SE 4	E 3 E 3	Calm 0
28	SE	6·4	SE	Calm 0 SW 1	SE 1 E 1	SE 7	SE 2	E 3 E 3	Calm 0
29	SSE	4·8	SE	Calm 0 Calm 0	SE 1 E 1	SE 8	Calm 0	E 3 E 2	SE 1
30	SE	7·9	SE	Calm 0 Calm 0	SE 1 SSE 1	SE 8	Calm 0	E 2 E 2	SE 1
31	SE	8·7	SE	Calm 0 Calm 0	E 1 E 1	SE 7	SE 2	SE 1 S 3	SE 1
								E 3 SE 3	
Mean	..	7·4	..	0·4 0·6	0·9 1·2	6·0	2·3	2·0 2·1	1·0
§Resultant	145° (91)	..	115° (59)	225° (21)	115° (68)	100° (61)	130° (74)	115° (36)	105° (46)
§Normal	139° (86)	6·9	‖118° (75)	261° (37)	240° (26)	92° (88)	132° (88)	100° (58)	0·8 (51)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 632 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JULY 1919.

‡‡ *Kara Sea.*—Scattered ice occurred south of Novaya Zemlya, and west of Kara Strait close ice prevented all progress. The area covered was 250 × 10^3 sq. km. compared with a normal of 240 × 10^3 sq. km.

‡‡ *Barents Sea.*—The eastern part was open to Berg Island. At Novaya Zemlya and in the northern part the ice edge was more northerly than usual. Thus it was possible to reach King Charles Land where unbroken floes of polar ice occurred. The area covered was 417 × 10^3 sq. km. compared with a normal of 519 × 10^3 sq. km.

‡‡ *Spitsbergen.*—After the middle of the month the west coast was free of ice to King's Bay, and probably still further north. The fjords were also free.

‡‡ *Greenland Sea and Denmark Strait.*—A broad landwater containing floes and icebergs existed from Germania Haven along Koldeway Land. Heavy ice occurred from Shannon Island to Cape Bismarck. Off Pendulum Island the sea was open. All along the coast a strong current was running. In Denmark Strait the ice was scattered and heavy generally but closely packed near the coast at Angmagsalik. Many icebergs observed near Cape Dan. The area covered was 756 × 10^3 sq. km. compared with a normal of 718 × 10^3 sq. km.

‡‡ *Iceland.*—Early in the month much scattered ice occurred in Huma Bay and near Cape North. Ice was visible on 11 days, the normal duration being 8 days visible.

‡‡ *N. Atlantic and Labrador.*—Icebergs numerous around Cape Raa and along the east side of the Newfoundland Banks but fewer on the Banks proper.

‡‡ *Davis Strait.*—The belt of closely packed ice which extended from Cape Farewell to Nunarsuit at the beginning of the month disappeared before the 31st. From Nunarsuit to Upernivik the coast was free of ice. Icebergs were observed here and there but were numerous in Disko Bay.

‡‡ *Bering Sea.*—A belt of closely packed ice 10 miles wide occurred at East Cape otherwise Bering Sea and Strait (to Cape Lisburne) were completely free of ice as also was Koliutschin Bay. East of this bay the ice was scattered, to the west, heavy and close.

‡‡ *Isforholdene i de Arktiske Have*, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, AUGUST 1919.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF AUGUST 1919 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

AUGUST—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1323	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Inglefield Bay	77 27	66 40	?	1009·0	..	+ 0·2	..	279·8	31st	..	273·0	26th	..	*275·0*	..	37	..
1325	Upernivik	72 47	W56 7	18·9	1007·5	1009·8	— 1·7	280·3	285·8	17th, 21st	273·8	271·0	6th	277·1	*276·6*	—1·4	22	— 7
1399	Spitsbergen(GreenHarbour)	78 2	E14 14	11·4	1004·9	1006·3	— 6·2	..	281·6	15th	276·0	274·6	26th	..	277·7	+0·7	33	+ 12
1421	Gjesvaer	71 6	25 22	6·5	1001·1	1001·9	— 9·2	..	290·5	1st	280·7	278·3	18th	..	*282·4*	—0·7	157	+113
1422	Mehavn	71 1	27 47	6·4	1001·0	1001·8	— 9·2	..	291·0	2nd	280·5	276·0	11th	..	*282·7*	+0·2	101	+ 49
1423	Vardö	70 22	31 8	10·0	1001·4	1002·6	— 9·2	..	289·8	2nd	281·0	278·8	18th	..	*282·5*	+0·6	177	+123
1427	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1428	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1557	Maudhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

AUGUST—ZONE 2. Between Latitude 70° N. and 60° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
2202	Gambel		N.	W.														
2203	Nome	63 51	171 35	6·1	..	..	..	285·0	289·7	12th	278·3	269·1	30th	281·7	*281·8*	—0·8	71	+ 3
2204	Candle	64 30	165 24	6·7	..	1010·1	+ 1·1	287·1	295·2	14th	277·7	271·3	14th	282·4	..	..	33	..
2205	Tanana	65 55	161 57	2·4	..	..	..	290·8	301·9	1st	279·1	270·2	31st	285·0	*285·4*	—0·3	47	— 7
2206	Rampart	65 10	152 6	67·1	..	1011·5	+ 2·4	292·4	301·3	1st	280·2	273·6	30th, 31st	286·3	..	..	44	+ 4
2207	Valdez	65 30	150 15	122	..	..	..											
2208	Eagle	61 7	146 16	8·2	..	1015·9	+ 2·2	286·4	291·9	20th	279·2	273·0	31st	282·8	*282·7*	—0·9	138	— 9
2209	Dawson	64 46	141 12	254	..	1009·8	+ 0·1	293·9	301·9	6th	279·8	273·0	22nd	286·9	..	+2·8	61	+ 7
2211	Carcross	64 4	139 20	328	972·2	1010·8	— 2·4	294·7	301·9	6th	279·1	273·6	21st	286·9	..	+1·6	55	+ 15
2212	Fort Good Hope	66 11	134 34	662	..	..	..	292·2	298·6	4th	277·9	271·3	30th	285·1	..	+1·4	6	— 16
2213	Fort Simpson	66 25	128 53	65·2	1002·9	1010·7	..	294·7	304·7	7th	280·2	273·0	19th	287·4	..	..	18	+ 7
		61 52	121 35	129	993·9	1009·2	..	295·2	299·7	12th	282·4	275·2	31st	288·8	..	+2·6	53	+ 24
2215	Hay River	60 51	115 20	161	989·8	1008·8	..	293·0	299·7	8th	284·1	275·2	31st	288·6	..	+1·7	38	..
2216	Jacobshavn	69 13	51 2	12·6	1007·8	1009·3	— 2·1	281·8	287·1	21st	276·0	272·7	15th, 16th	278·9	*278·6*	—1·0	56	+ 22
2217	Godthaab	64 11	51 43	9·0	1005·0	1006·1	— 3·5	284·0	288·0	19th, 23rd	276·0	273·2	18th	280·0	*279·2*	—0·1	..	..
2218	Ivigtut	61 12	48 10	5·0	1007·6	1008·2	— 1·3	284·5	287·4	19th	278·6	274·1	16th	281·5	*280·8*	—0·8	181	+ 88
2219	Angmagsalik	65 37	37 33	31·7	1004·3	1008·2	— 4·2	282·9	290·2	24th	274·6	269·7	31st	278·7	*278·2*	—1·2	49	— 14
2220	Stykkisholm	65 5	22 46	11·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2221	Vestmanno	63 26	20 15	7·7	1005·9	1006·8	— 1·8	285·9	288·6	1st	280·0	274·8	29th	282·9	*282·7*	—0·5	79	+ 4
2224	Grimsey	66 33	17 58	22	1003·0	1005·7	— 4·1	282·1	289·2	1st	277·1	273·4	29th	279·6	*279·4*	—0·4	7	— 27
2225	Berufjord	64 40	14 19	18·0	1003·4	1005·6	— 4·0	285·7	290·2	4th, 12th	279·1	274·8	28th	282·4	*282·1*	+0·7	28	— 53
2226	Thorshavn	62 3	6 45	26·3	1003·1	1006·3	— 3·7	285·8	289·0	16th	280·9	276·5	15th	283·3	*282·9*	—0·3	100	+ 5
2227	Lerwick	60 9	W 1 8	18·0	1006·0	1008·2	— 1·6	286·5	289·7	17th	282·2	278·6	25th	284·3	*284·1*	—0·2	94	+ 18
2230	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1001·6	1007·0	— 3·7	286·5	289·0	27th	282·3	279·2	26th	284·4	*284·1*	—2·7	286	+127
2231	Christiansund	63 7	7 45	17·8	1002·7	1004·8	— 5·8	..	290·0	18th	281·7	277·7	26th	..	*283·9*	—2·1	155	+ 52
2232	Trondhjem	63 26	10 25	39·5	1000·0	1004·7	— 5·9	287·4	291·8	28th	281·2	276·5	26th	284·3	*283·6*	—2·7	126	+ 50
2233	Bodö	67 17	14 24	22·4	1000·0	1002·7	+ 7·7	..	290·2	29th	281·2	278·0	17th	..	*283·5*	—1·8	57	— 26
2234	Haparanda	65 50	24 9	9·2	999·1	1000·2	—10·6	288·8	295·0	3rd	281·0	276·0	17th	284·9	*284·9*	—0·7	53	— 1
2235	Helsingfors	60 10	24 57	11·7	1002·3	1003·6	— 7·9	290·8	294·3	1st	283·9	279·4	27th	287·4	287·0	—1·4	74	+ 1
2236	Kuopio	62 54	27 40	90·3	990·8	1001·5	—10·0	290·7	294·9	1st	283·1	278·6	18th	286·9	*286·3*	—0·4	69	— 1
2243	Kola	68 53	33 1	6·7	999·8	1000·6	—10·0	287·4	296·3	2nd	281·5	272·4	19th	284·5	*284·3*	+0·5	116	+ 72
2244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2245	Arkhangelsk	64 35	40 36	6·2	1000·2	1000·9	—10·1	291·0	299·3	5th	283·8	278·9	29th	287·4	*286·7*	+0·2	66	+ 4
2246	Mezen	65 50	44 16	12·6	999·6	1001·1	— 9·1	290·4	299·2	5th	282·1	272·5	20th	286·3	*286·0*	+2·0	89	+ 37
2247	Oust-Tsylma	65 25	52 14	? 70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2248	Tcherdyn	60 24	56 31	?177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2250	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2251	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2252	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2254	Doudinka	69 23	86 4	20	1005·9	1008·3	— 1·7	..	298·5	20th	283·2	275·3	28th	..	*288·3*	..	10	..
2260	Touroukhansk	65 47	87 57	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2263	Iakoutsk	62 1	129 43	108	994·7	1007·5	— 1·5	..	301·0	1st	284·1	277·7	29th	..	*288·2*	+0·1	110	+ 64
2271	Verkhoïansk	67 33	133 23	100	997·0	1009·0	+ 1·4	..	302·8	1st	281·0	273·5	23rd	..	*286·6*	+3·5	42	+ 17
2272	Markovo-sur-Anadyr	64 45	170 50	25·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Novo-Mariinskii Post	64 45 N.	177 33 E.	22·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

AUGUST—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1008·1	0·0	282·7	286·3	3rd	279·2	276·3	29th	280·9	..	..	92	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1010·1	— 2·1	286·2	293·6	23rd	280·7	274·7	29th	283·4	..	—0·3	105	+25
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	1010·8	— 0·2	287·7	291·9	27th	282·8	276·3	31st	285·2	..	..	‡187	..
309	Sitka	57 3	135 19	27·4	..	1017·9	+ 2·1	290·1	296·3	24th, 25th	282·8	277·4	31st	286·4	*286·1*	+0·5	131	— 8
310	Prince Rupert	54 18	130 18	51·8	1009·8	1016·0	— 1·1	290·2	298·0	24th	283·6	280·8	31st	286·9	*287·3*	+0·1	78	+ 2
311	Barkerville	53 2	121 35	1274	872·7	1018·7	+ 3·1	290·8	296·3	17th	278·0	273·0	23rd	284·4	*284·1*	—0·7	110	+ 8
312	Kamloops	50 42	120 29	385	972·4	1016·6	— 0·1	303·0	308·6	16th	286·3	280·8	23rd	294·7	*294·8*	+1·6	5	— 5
313	Calgary	51 2	114 2	1045	895·5	1013·1	+ 0·3	298·6	306·3	18th	282·4	278·0	23, 24, 28	290·5	*289·7*	+2·7	97	+ 5
314	Fort Chipewyan	58 42	111 10	218	984·1	1009·6	..	294·1	298·6	13th	284·7	274·7	31st	289·4	*290·0*	+1·8	39	— 1
315	Prince Albert	53 10	105 38	442	959·7	1010·6	— 1·0	298·0	306·3	18th	284·1	277·4	27th, 30th	291·1	*290·7*	+3·2	80	+ 34
316	Qu'Appelle	50 30	103 47	645	937·5	1010·9	— 2·1	299·7	306·9	18th	283·6	276·9	24th, 30th	291·6	*290·5*	+2·4	15	— 8
317	Minnedosa	50 15	99 50	515	952·4	1011·4	— 1·5	299·1	309·7	19th	283·6	274·1	27th	291·3	*290·8*	+2·4	20	— 3
318	Berens River	52 18	97 23	216	..	..	..	294·9	299·7	19th	278·0	272·4	9th	286·4	..	—3·6	22	— 1
318*a*	Port Nelson	57 4	92 36	14·9	1008·3	1010·1	+ 0·9	293·0	301·9	10th	281·9	274·1	28th	287·4	..	+2·7	55	+ 5
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1007·9	1009·0	— 4·5	294·1	301·9	19th	281·9	276·9	5th	288·0	..	—0·2	44	— 2
321	Fort George	53 50	79 5	97·5	..	..	..	291·6	301·9	14th	282·4	274·7	31st	287·0	*286·7*	..	59	+ 5
322	Mistassini Post	50 15	73 55	383	..	..	..	293·1	300·8	15th	282·2	271·3	8th	287·7	..	+2·8	125	+ 71
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	291·3	295·8	7th	282·4	274·7	17th	286·9	..	+0·3	85	— 6
326	Belle Isle	51 53	55 23	133	993·9	1010·1	— 1·7	284·6	288·6	1st	277·9	271·9	14th	281·2	*281·3*	—2·7	88	— 2
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1016·1	1017·8	+ 3·6	291·4	295·2	8th	286·0	280·8	31st	288·7	288·7	+0·8	72	— 5
335	Aberdeen	57 10	W 2 6	26·8	1007·9	1011·2	— 0·2	289·9	295·8	12th	283·0	276·3	25th	286·4	286·5	0·0	51	— 7
336	Greenwich	51 28	0 0	46·3	1011·0	1016·5	+ 1·8	297·2	304·1	12th	284·6	279·1	28th	290·9	290·6	+0·9	50	— 7
337	Uccle	50 48	E 4 22	100	1004·8	1016·7	+ 1·1	296·8	303·5	10th	284·9	278·2	25th	290·9	290·1	+0·7	36	— 13
338	De Bilt	52 6	5 11	3·0	1015·8	1016·2	+ 1·5	294·7	301·3	11th	284·2	277·6	25th	289·5	289·0	—0·7	48	— 1
338*a*	Hamburg	53 33	9 58	26·0	1011·2	1014·3	+ 0·6	292·9	298·0	19th	285·4	281·9	31st	289·1	*288·6*	—1·2	57	+ 8
339	Copenhagen	55 41	12 36	5·0	1009·8	1010·4	— 2·5	290·7	295·8	29th	284·9	281·1	26th	287·8	*287·5*	—1·3	54	— 1
340	Potsdam	52 23	13 4	84·9	1005·0	1015·2	+ 0·5	295·7	304·1	29th	284·8	279·0	31st	290·3	289·7	0·0	33	— 15
340*a*	Upsala	59 51	17 38	24	1001·2	1004·1	— 7·0	290·9	294·4	5th	282·1	278·1	26th	286·5	286·4	—1·2	77	+ 31
341	Warsaw	52 13	21 1	133	998·8	1014·6	— 0·1	294·0	302·1	20th	284·4	279·5	26th	289·2	289·0	—1·9	68	+ 20
342	Dorpat (Jurjev)	58 23	26 43	74·5	997·0	1005·9	— 5·6	291·6	300·9	30th	282·9	279·0	25th	287·2	286·7	—1·5	74	+ 25
343	Petrograd	59 56	30 16	4·8	1003·5	1004·1	— 7·7	291·4	299·3	31st	284·3	280·8	24th	287·8	*287·5*	—1·1	97	+ 41
344	Kiev	50 27	30 30	183	992·8	1014·4	+ 0·5	294·7	303·0	21st	285·2	280·4	18th	290·0	*289·2*	—2·4	40	— 15
344*a*	Moscow	55 50	37 33	167	988·7	1008·4	— 4·0	291·8	298·2	4th	283·1	277·9	28th	287·4	*287·0*	—2·6	142	+ 75
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	999·5	1009·0	— 1·8	295·5	304·1	4th	285·3	279·3	31st	290·4	*289·8*	—0·7	37	— 9
347	Orenburg	51 45	55 6	109	999·0	1011·9	+ 1·0	298·9	308·9	5th	285·4	278·8	30th	292·2	*292·2*	—0·1	110	+ 61
348	Perm	58 1	56 16	159	988·0	1006·8	— 3·4	..	300·1	10th	284·1	279·2	23rd	..	*288·7*	+0·5	..	..
349	Ekaterinburg	56 50	60 38	281	974·4	1007·3	— 4·2	293·6	303·5	4th	283·5	280·1	23rd	288·6	*288·4*	+0·5	89	+ 53
350	Tobolsk	58 12	68 14	?108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	..	..	..	..	..	..	..	..	..	..	..	..	..	..
355	Minousinsk	53 43	91 41	249	980·4	1009·4	— 1·6	..	301·2	16th	284·5	279·2	23rd	..	*291·0*	..	41	— 17
356	Eniseisk	58 27	92 10	77·6	998·8	1008·1	— 2·1	..	298·0	19th	280·8	274·7	5th	..	*287·5*	—1·0	41	— 17
357	Irkutsk	52 16	104 19	467	955·0	1009·2	— 1·1	..	299·0	2nd	281·3	275·8	29th	..	*287·6*	—0·7	73	+ 15
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	681	928·3	1005·6	— 2·6	..	299·6	3rd	282·8	277·3	28th	..	*288·6*	+0·2	101	+ 43
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	961·5	1005·3	..	295·6	302·1	1st	282·6	274·4	12th	289·1	*289·3*	..	167	— 82
362	Blagoveshchensk (Bureau Météor)	50 16	127 30	142	989·5	1006·0	+ 0·1	299·8	307·8	7th	287·8	283·3	28th	293·8	*293·5*	+1·9	82	— 4
363	Païkanskii Sklad	50 11	130 7	145	..	..	..	..	..	..	..	..	..	..	..	..	..	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1007·1	1009·6	+ 1·4	..	298·6	20th	284·9	277·8	3rd	..	*289·0*	+0·1	74	— 3
366	Okhotsk	59 21	143 12	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1008·8	1010·4	— 0·2	289·4	297·0	21st	282·5	279·7	16th	286·0	*285·2*	..	97	— 3
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres	mb	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

AUGUST—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
611	Victoria, B.C.	48 24	123 19	70·1	1009·1	1017·6	+ 0·4	292·4	299·7	15th, 29th	283·6	281·9	9, 10, 23	288·0	287·2	—0·3	9	— 8
612	Portland, Oregon	45 32	122 41	46·6	1011·2	1016·6	+ 0·3	299·7	308·6	15th	286·9	283·0	8th	293·3	*293·1*	+1·3	3	— 13
613	Macleod	49 44	113 24	953	..	..	..	299·6	309·7	18th	284·6	278·0	29th	292·1	*292·4*	+2·3	33	— 10
614	Helena	46 34	112 4	1253	874·8	1013·5	— 0·1	301·3	306·9	18th	286·6	282·4	15th	293·9	*293·9*	+1·6	3	— 15
614*a*	Salt Lake City	40 46	111 54	1329	868·6	1013·2	+ 0·9	304·8	310·8	24th	291·6	288·0	9th	298·2	*298·5*	+1·4	13	— 7
615	Cheyenne	41 8	104 48	1856	817·1	1014·5	+ 1·5	300·4	304·7	22nd	285·6	280·2	30th	293·0	*293·1*	+1·3	11	— 27
616	North Platte	41 8	100 45	859	918·5	1015·9	+ 2·2	303·4	309·1	23rd	288·1	281·9	31st	295·8	*295·5*	+0·1	19	— 41
617	Bismarck	46 47	100 38	511	955·2	1014·5	+ 0·1	302·2	308·0	19th	286·7	280·2	25th	294·4	*294·4*	+1·3	37	— 14
618	Winnipeg	49 53	97 7	232	984·4	1011·4	— 2·5	298·6	306·9	19th	285·2	275·2	27th	291·9	*291·5*	+1·7	80	+ 18
619	Duluth	46 47	92 6	345	972·7	1013·2	— 1·6	296·3	301·9	19th	286·3	280·8	27th	291·3	*291·3*	+1·6	76	— 1
620	Port Arthur	48 27	89 12	196	988·5	1011·5	— 3·4	295·8	300·8	23rd	284·7	276·9	28th	290·2	*289·8*	+1·7	69	— 1
621	Chicago	41 53	87 37	251	985·2	1014·5	— 1·4	300·0	309·7	4th	291·9	286·9	28th	296·0	*295·9*	+1·1	28	— 51
622	Toronto	43 40	79 24	116	999·3	1013·0	— 2·5	298·6	306·3	7th	287·4	281·9	10th, 29th	293·0	292·1	+0·8	55	— 15
623	New York (Central Park)	40 46	73 58	30·2	1010·0	1013·5	— 3·0	298·8	305·8	24th	290·7	286·9	9th	294·7	294·7	—1·3	148	+ 36
624	St. John, N.B.	45 17	66 4	36·2	1009·0	1013·3	— 2·1	291·9	298·6	16th	284·1	281·3	5th	288·0	287·7	—0·9	90	— 8
624*a*	S.W. Point, Anticosti	49 24	63 33	9·1	1009·8	1010·9	— 1·4	289·1	294·1	24th	284·1	278·6	10th, 11th	286·6	*286·6*	+0·2	103	+ 16
625	Sable Island (Main Station)	43 57	60 6	7·6	1016·2	1017·1	+ 0·3	291·3	293·6	14th, 26th	286·9	284·1	18th	289·1	*288·8*	—1·1	83	— 11
626	Port aux Basques	47 35	59 10	9·1	1013·0	1014·1	— 1·0	289·7	293·6	21st, 22nd	284·7	279·7	12th, 18th	287·2	*287·1*	—0·3	136	+ 21
626	St. John's, Newfoundland	47 34	52 42	38·1	1010·7	1015·3	+ 1·6	294·1	299·7	19th	284·1	278·6	14, 17, 18	289·1	*288·6*	+0·9	36	— 54
635	Madrid	40 24	3 41	655	944·4	1017·6	+ 2·8	309·3	313·6	12th	289·3	282·5	31st	299·3	299·0	+1·9	1	— 11
636	Nantes	47 15	W 1 34	36·5	1014·5	1018·8	+ 1·7	298·8	307·8	15th	285·9	281·0	30th	292·4	292·3	+1·0	20	— 29
637	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1012·7	1018·7	+ 2·0	298·7	306·7	10th	285·3	281·0	30th	292·0	291·9	+1·2	21	— 29
638	Marseilles	43 18	5 23	75	..	1016·1	+ 1·0	302·1	306·6	22nd	289·5	286·4	1, 2, 31	295·8	*296·1*	+1·4	0	— 17
639	Zürich	47 23	8 33	493	962·0	1018·8	+ 1·3	300·0	305·6	11th	286·2	279·2	31st	293·1	292·2	+1·8	41	— 91
640	Rome	41 54	12 27	45	1011·2	1016·6	+ 1·0	303·6	305·9	14th	292·8	290·0	5th	298·2	*298·0*	+1·1	0	— 27
640*a*	Vienna	48 15	16 22	203	993·0	1016·8	+ 1·9	300·2	306·6	21st	286·9	280·0	26th	293·6	*293·3*	+0·3	22	— 27
641	Buda-Pesth	47 31	19 2	130	1001·6	1017·0	+ 1·9	300·2	306·0	22nd	286·5	282·5	10th	292·9	*292·8*	—0·3	42	— 14
642	Sofia	42 42	23 20	550	954·4	1017·4	+ 3·7	299·4	304·8	22nd	286·5	282·5	10th	292·9	293·6	—1·6	48	— 3
643	Bucharest	44 25	26 5	82	1006·9	1016·6	+ 2·4	300·4	306·0	22nd	287·5	283·8	10th	293·9				
644	Odessa (University)	46 26	30 46	42·8	1011·0	1016·0	+ 1·6	297·3	301·0	15th, 29th	288·0	283·1	16th, 26th	292·6	*292·3*	—2·4	16	— 16
644*a*	Kharkov (University)	50 0	36 14	140	997·5	1014·1	— 0·6	296·2	303·9	4th	284·2	279·1	27th	290·2	*289·7*	—2·0	90	+ 39
645	Novorossiisk	44 44	37 49	37·1	1009·8	1014·1	+ 1·3	299·3	304·0	24th	289·7	282·6	12th	294·5	*294·3*	—2·1	21	— 8
646	Tiflis	41 43	44 48	404	966·7	1012·7	+ 0·6	302·6	311·4	4th	290·4	285·1	15th	296·5	*296·0*	—1·3	27	— 11
647	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
648	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
649	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
650	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
651	Tachkent	41 20	69 18	478	952·2	1005·7	— 1·7	308·0	315·6	1st	289·8	283·5	30th	298·9	*298·0*	+0·5	0	— 1
652	Narynskoe	41 26	76 2	?2015	794·7	..	..	..	303·4	13th	283·4	279·5	26th	..	*292·0*	+2·4	13	..
	Verniyi	43 16	76 53	841	..	..	..	302·4	..	..	289·3	..	..	295·8	*295·7*	..	0	..
662	Mukden	41 48	123 23	43·8	1002·7	1007·7	+ 0·9	304·7	310·0	7th	292·4	286·2	17th	298·5	297·9	+1·4	146	+ 9
663	Joshin	40 40	129 11	4·0	1009·4	1009·9	+ 1·6	299·1	304·1	24th	291·3	287·5	18th	295·2	295·0	+0·3	96	— 29
664	Yuki	42 20	130 24	65·6	1002·4	1010·1	..	297·7	302·9	11th	290·1	287·2	20th	293·9	293·8	..	217	..
665	Vladivostok	43 7	131 55	128	995·5	1010·5	+ 1·0	297·1	302·5	12th	290·6	287·4	17th	293·9	293·4	—0·4	141	+ 31
666	Ochiai	47 20	142 46	6·6	1009·0	1010·4	— 0·7	296·1	304·1	22nd	284·3	276·8	8th	290·2	290·1	+0·7	31	— 62
667	Nemuro	43 20	145 35	26·7	1008·5	1011·7	+ 0·2	293·1	298·9	23rd	286·4	281·5	16th	289·8	289·3	—0·7	301	+191
668	Syana	45 14	147 53	39·3	1006·8	1011·5	— 0·7	291·6	296·7	27th	284·7	278·3	17th	288·1	288·1	—0·4	64	— 6
		N.	E.															

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Between Latitude 40° N. and 30° N. AUGUST—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1009·8	1015·6	+ 1·7	290·9	298·6	27th	284·3	283·0	10th	287·6	*286·9*	—0·4	0	— 1
512	San Luis Obispo	35 18	120 39	61·3	1008·1	1015·2	+ 1·2	298·0	305·8	24th	284·4	281·9	1st	291·2	*289·4*	—0·7	0	— 1
514	San Diego	32 43	117 10	26·5	1010·8	1013·9	+ 1·4	295·7	298·6	26th	290·7	288·6	12th	293·2	*292·9*	—0·5	0	— 2
515	Modena	37 48	113 54	1670	836·1	1012·8	+ 0·9	304·2	308·6	23rd	285·5	280·8	4th	294·8	*294·7*	+1·4	13	— 24
516	Santa Fé	35 41	105 57	2138	791·9	1012·5	+ 0·2	299·9	302·4	11th	287·2	284·7	20th	293·6	*292·9*	+0·4	52	— 4
517	Denver	39 45	105 0	1613	841·0	1015·2	+ 1·7	302·5	306·9	23rd	288·6	285·2	16th	295·6	*295·2*	+0·9	25	— 10
518	Abilene	32 23	99 40	530	954·6	1014·2	+ 1·1	306·9	311·3	17th	294·5	290·2	26th	300·7	*300·3*	0·0	59	0
519	Saint Louis	38 38	90 12	173	995·0	1015·2	— 0·3	303·3	311·9	6th	292·8	287·4	31st	298·1	*297·9*	—0·3	77	+ 4
520	Mobile	30 41	88 2	17·4	1015·0	1016·9	+ 1·5	305·2	309·7	7th	296·3	293·6	31st	300·7	*299·6*	+0·1	153	— 20
521	Nashville	36 10	86 47	166	996·9	1016·2	+ 0·3	303·2	309·7	6th	293·4	288·6	31st	298·3	*298·1*	—0·3	173	+ 86
522	Charleston	32 47	79 56	14·6	1014·5	1016·2	— 0·1	303·8	309·1	1st	296·6	292·4	13th	300·2	*300·0*	+0·2	145	— 27
523	Washington	38 54	77 3	34·1	1010·3	1014·2	— 1·9	301·3	306·9	24th	290·9	285·8	10th	296·1	*295·9*	—0·7	87	— 22
530	Bermuda	32 17	64 46	46·0	1013·7	1019·1	0·0	302·4	305·2	20th	295·8	293·6	12th, 13th	299·1	*298·8*	—1·3	176	+ 36
531	Santa Cruz (Flores)	39 27	31 9	28	1020·6	1023·6	+ 0·1	298·3	301·1	26th	292·4	289·8	31st	295·4	*295·3*	+0·3	56	— 42
532	Horta	38 32	28 38	65	1015·7	1023·1	+ 0·4	298·0	300·4	23rd	293·7	290·7	6th	295·8	295·0	—0·3	86	+ 5
532*a*	Ponta Delgada	37 44	25 40	22	1020·5	1022·3	0·0	297·3	299·3	16th	292·3	289·4	9th	294·8	294·7	—0·2	..	..
533	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	225	+166
534	Madeira (Funchal)	32 37	16 54	25	1017·9	1020·8	+ 1·7	300·3	311·4	23rd	293·8	290·3	1st	297·1	*297·3*	+1·7	0	— 3
535	Lisbon	38 43	9 9	95	1008·5	1019·6	+ 2·3	302·7	310·4	5th	292·2	287·8	30th	297·5	*296·7*	+2·1	0	— 6
536	Gibraltar	36 6	5 21	16·2	1016·9	1018·7	+ 1·8	302·6	309·1	6th, 30th	293·6	290·8	3rd	298·1	*297·4*	+0·7	0	— 3
536*a*	Melilla	35 18	2 59	8	‡1017·3	‡1018·2	— 0·1	305·5	311·4	27th	291·7	289·4	14th	298·6	*299·1*	—2·0	0	— 1
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

AUGUST—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1015·5	1018·2	+ 1·0	304·1	307·4	12th	291·8	289·6	1st	297·9	..	—0·6	0	..
538	Algiers (Bouzaréah)	36 48	3 2	343	978·8	1017·6	+ 1·8	301·2	308·4	28th	293·5	290·0	3rd	297·3	296·9	+0·2	0	..
539	Tunis	36 48	10 10	21	1014·8	1017·2	..	304·5	316·8	16th	292·7	290·5	9th	298·6	*298·1*	—0·8	0	..
539*a*	Malta	35 54	14 31	56·4	..	1016·0	+ 0·4	301·6	305·5	31st	295·3	293·3	8th	298·4	*297·7*	—0·8	0	..
540	Riposto	37 41	15 14	14·2	..	1018·1	+ 1·8	300·9	303·2	31st	295·2	293·8	2nd	298·1	*297·1*	—1·4	0	..
541	Athens	37 58	23 43	107	1002·0	1014·4	+ 2·6	303·8	307·6	23rd	294·2	291·2	11th	299·0	298·8	—0·7	12	..
542	Alexandria	31 12	29 53	32·0	1007·2	1010·9	+ 0·6	303·1	304·3	1st, 24th	295·9	294·7	4th	299·5	*298·7*	—0·2	0	..
543	Cairo (Helwan)	29 52	31 20	116	996·6	1009·9	+ 1·3	306·9	310·1	2nd	293·8	291·9	24th	300·3	299·7	—0·9	0	..
544	Nicosia (P.W.D.)	35 9	33 22	159	..	1007·0	+ 0·4	308·3	311·9	1st, 6th	292·7	289·1	22nd	300·5	..	—0·8	0	..
544*a*	Beirut	33 54	35 28	33·7	..	1010·4	+ 2·9	303·3	304·3	2nd	296·2	295·2	25th	299·7	*299·7*	—0·7	0	..
545	Baghdad	33 21	44 28	38·1	..	1001·6	+ 0·3	315·3	321·2	10th	299·3	295·5	20th	307·3	*304·8*	—0·6	0	..
546	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546*a*	Lenkoran	38 46	48 52	—20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	..	..	..	308·4	311·1	5th	295·2	290·8	21st	301·8	*301·5*	—0·2	0	..
549	Seistan	31 0	61 30	?	..	..	..	..	..	..	..	..	..	..	..	..	0	..
550	Quetta	30 11	67 3	1677	828·0	..	+ 0·2	311·7	315·9	4th	298·2	293·8	26th	304·9	..	..	4	..
551	Peshawar	34 2	71 37	339	963·0	1000·3	— 0·3	307·1	309·5	17th	290·7	284·5	30th	298·9	*298·6*	+1·3	154	..
551*a*	Lahore	31 34	74 20	214	976·5	1000·2	+ 0·1	307·1	310·6	1st	298·7	295·1	10th	304·4	*303·9*	—0·1	133	..
552	Simla	31 7	77 8	2205	777·5	..	— 0·4	291·9	293·4	15th	299·6	297·8	2nd	303·3	*302·7*	—0·9	302	..
552*a*	Leh	34 10	77 42	3503	665·9	..	+ 1·0	295·7	299·2	27th	288·6	287·7	12th	290·2	*289·9*	+0·1	39	..
559	Hankow	30 35	114 17	37·0	1001·7	1005·9	0·0	307·0	310·7	1st	283·9	282·4	10th	289·8	*288·4*	—0·6	..	..
560	Tientsin	39 10	117 10	5·0	1007·5	1008·0	+ 0·9	305·3	308·7	14th	299·4	294·4	30th, 31st	303·2	*302·8*	+1·0	77	..
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1005·8	— 0·1	306·3	309·2	7th	296·6	291·9	31st	300·9	*300·6*	+1·4	120	..
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1001·1	1008·9	+ 0·2	303·5	309·1	16th	296·8	293·7	30th	301·5	300·0	+0·1	92	..
562*a*	Nagasaki	32 44	129 52	133	992·4	1007·6	— 0·7	303·2	305·8	1st, 14th	295·1	291·7	18th	299·3	298·7	+1·1	196	..
563	Kioto	35 1	135 44	42·9	1005·3	1010·2	+ 1·2	304·9	307·2	1st	295·9	293·3	21st	299·6	299·2	—0·3	246	..
564	Tokio	35 41	139 45	21·3	1008·4	1010·9	+ 0·9	302·3	306·4	26th	294·0	288·3	21st	299·4	298·6	—0·5	127	..
565	Kanayama	37 53	140 46	24·6	1008·2	1011·0	+ 0·7	302·3	306·4	5th	294·5	290·0	17th	298·4	298·0	—0·4	96	..
566	Miyako	39 38	141 59	30·4	1007·1	1010·6	0·0	299·9	307·3	31st	290·6	286·7	9th	295·3	294·4	—0·7	169	..

AUGUST—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1019·6	+ 1·7	302·2	303·6	6th	295·2	290·8	2nd	298·7	..	..	1	..
605	Honolulu	21 19	157 52	11·6	1014·8	1016·1	0·0	301·7	304·1	..	296·6	295·2	..	299·2	*298·8*	+0·5	15	..
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	861·8	1011·2	..	301·2	305·5	16th	290·8	287·7	26th	296·0	*295·9*	..	141	..
616	Leon	21 7	101 41	1809	823·3	1010·2	+ 1·6	299·8	302·5	31st	287·6	285·0	6th	293·7	*293·0*	0·0	164	..
616*a*	Monterry	25 40	100 18	528	954·3	1012·2	..	307·0	308·6	18th	294·2	288·5	4th	300·6	*300·5*	..	1	..
617	Tulancingo	20 5	98 22	2180	794·5	..	..	..	298·0	..	..	280·0	..	..	289·7	—0·1	61	..
618	Galveston	29 18	94 50	16·5	1015·0	1016·9	+ 2·2	304·2	305·8	8th	298·8	294·7	31st	301·5	*301·3*	+0·2	55	..
618*a*	New Orleans	29 57	90 4	16·2	..	1016·6	+ 1·6	305·4	308·6	7th	297·5	294·1	24th	301·4	*301·0*	+0·8	187	..
619	Merida, Yuc.	20 58	89 38	22	1013·6	1016·0	..	305·0	306·2	3rd, 16th	296·4	295·2	16th	300·7	*300·1*	..	115	..
620	Havana	23 8	82 21	24·3	..	1017·5	+ 2·4	304·1	305·8	12th	297·4	294·9	30th	300·7	*300·5*	+0·5	93	..
620*a*	Key West	24 33	81 48	6·7	1016·5	1017·3	+ 1·9	304·9	306·3	28th	299·1	296·9	24th	302·0	*301·8*	0·0	37	..
621	Nassau, Bahamas	25 5	77 21	3·7	..	1017·9	+ 1·6	304·7	306·3	5th	298·8	297·4	4, 6, 7	301·7	*301·8*	+0·4	66	..
622	Watling Island	24 6	74 26	33·5	1015·3	1019·1	+ 4·0	..	304·1	12th, 17th	..	300·2	4th	..	*302·0*	..	..	..
633	Izaña	28 19	16 30	2367	775·2	..	..	296·6	299·4	3rd	287·8	281·6	1st	292·2	*291·2*	..	1	..
634	La Laguna	28 28	W16 20	547	953·0	1014·6	— 0·9	304·4	312·1	21st	290·8	286·6	19th	297·6	*296·8*	+2·0	0	..
637	Insalah	27 1	E 2 21	?280	..	..	..	318·0	326·2	3rd	293·1	288·2	27th	305·6	*308·4*	—3·5	0	..
641	Siwa	29 12	.25 29	—23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	996·0	1007·2	+ 0·9	313·1	316·8	5th	298·1	295·3	9th	305·6	*305·3*	—0·1	..	..
644	Tor	28 14	33 37	1·9	1006·3	1006·5	+ 1·2	306·0	309·1	14th	297·2	292·5	31st	301·6	*300·6*	—0·5	..	..
647	Bushire	28 59	50 53	4·3	998·6	999·2	— 0·4	308·7	310·9	11th	302·3	298·3	24th	305·5	*304·9*	+0·1	0	..
648	Jask	25 44	57 47	4·0	999·8	1000·3	— 0·6	307·4	309·6	27th	300·8	298·1	22nd	304·1	*303·5*	—0·7	0	..
649	Robat	29 45	60 55	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
649*a*	Karachi	24 53	66 57	4·0	1001·2	1001·7	— 0·1	302·4	304·1	21st	298·7	296·9	26th, 31st	300·6	*300·0*	0·0	14	..
650	Jacobabad	28 17	68 29	56·7	992·8	999·1	0·0	313·8	316·7	15th	302·3	300·4	13th	308·0	*307·4*	+1·1	0	..
651	Jaipur	26 56	75 52	436	953·4	1001·2	— 0·7	303·7	306·1	27th	297·4	295·5	30th	300·6	*299·6*	—1·3	297	..
652	Nagpur	21 8	79 5	310	968·4	1003·0	— 0·4	302·2	304·9	6th	296·8	295·1	14th	299·5	*298·7*	—0·0	358	..
653	Allahabad	25 25	81 51	94·1	989·8	1000·3	— 0·7	305·1	308·7	27th	299·3	298·2	10th	302·2	*301·6*	+0·2	332	..
653*a*	Darjiling	27 3	88 18	2266	773·5	..	— 0·4	294·5	297·8	25th	287·9	286·7	18th	291·2	*290·9*	+1·7	519	..
654	Calcutta	22 36	88 23	6·4	999·3	1000·0	— 2·0	303·9	306·1	6th	299·1	297·6	20th	301·5	*301·4*	+0·4	592	..
655	Gauhati	26 8	91 41	59·7	996·6	1003·3	— 0·9	306·7	309·6	24th	298·9	296·7	29th	302·8	*302·0*	+1·1	176	..
655*m*	Cherrapunji	25 15	91 42	1314	863·4	..	— 1·2	296·6	300·4	25th	291·6	290·7	19th	294·1	*293·5*	+0·8	072	..
655*a*	Akyab	20 11	92 56	6·1	1002·8	1003·6	— 1·7	301·9	304·8	24th	297·0	296·2	6, 18, 29	299·4	*299·5*	—0·7	1584	..
656	Mandalay	21 59	96 0	76·2	996·7	1005·3	— 0·4	306·5	309·1	8th	298·5	296·7	25th	302·5	*302·1*	—0·3	109	..
656*a*	Tengyueh	24 59	98 35	1633	829·8	..	..	298·1	301·3	9th	290·3	288·6	17th, 21st	294·2	*293·2*	..	225	..
657	Phu Lien	20 48	106 37	116	988·5	1001·7	— 1·9	305·1	309·3	1st	297·8	295·2	12th	301·5	*300·9*	0·0	540	..
658	Moncay	21 31	107 51	9·0	1000·5	1001·5	— 2·0	305·6	309·2	22nd	297·5	295·1	29th	301·6	*301·8*	+0·3	708	..
659	Hong Kong	22 18	114 10	33·2	..	1001·9	— 3·2	303·6	306·4	1st	298·8	296·3	31st	301·2	301·2	+0·7	500	..
660	Amoy	24 27	118 4	ca.3	1001·7	1002·0	— 2·7	305·1	308·6	6th	300·2	297·4	28th	302·7	*302·3*	+0·7	202	..
661	Taihoku, Formosa	25 2	121 31	9·3	1001·3	1002·3	— 2·9	306·1	308·7	16th	298·0	294·7	30th	302·0	301·4	+0·7	370	..
661*a*	Basco (Santo Domingo)	20 28	121 59	18·7	..	1000·3	— 4·4	303·3	306·4	22nd	298·5	296·4	6th	300·9	*300·8*	0·0	657	..
662	Naha	26 13	127 41	10·5	1002·3	1003·5	— 3·2	304·2	306·6	3rd	297·9	296·0	30th	301·0	300·8	0·0	178	..
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1011·3	1011·7	+ 3·2	303·2	305·0	30th	298·0	295·5	31st	300·6	300·1	+0·1	37	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 11

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

AUGUST—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·8	1011·6	..	303·0	305·6	13th	297·0	295·2	29th	300·0	*299·1*	..	33	..
716	Morelia	19 42	101 7	1923	811·1	1009·0	..	294·9	296·2	13th	..	..	..	..	*290·8*	..	139	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·9	1013·8	+ 1·5	297·4	299·4	19th	286·7	280·5	27th	292·0	289·0	—0·1	117	— 5
718	Salina Cruz	16 12	95 12	56	1006·1	1012·4	..	305·6	307·5	17th	296·5	295·5	21st	301·0	*300·4*	..	84	..
719	San Salvador	13 42	89 13	‡665	937·1	1011·3	+ 0·1	307·0	309·2	4th, 16th	291·1	289·0	24th	299·1	*296·8*	+0·2	360	+ 68
720	Belize	17 29	88 12	5·2	1013·7	1014·3	+ 2·2	303·8	304·7	4, 7, 27	297·7	294·1	13th	300·8	*300·4*	0·0	120	—120
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·5	+ 1·3	304·4	305·6	10th	295·8	294·4	6th	300·1	*300·2*	+0·3	166	— 6
722	Port au Prince	18 34	72 22	37·4	1011·3	1015·6	+ 1·5	308·4	310·8	27th	297·3	294·9	6th	302·9	*301·8*	+1·4	27	—108
724	Caracas	10 30	66 55	1042	900·6	1016·3	+ 1·2	299·1	301·0	19th, 23rd	288·6	286·9	21st	293·9	*292·8*	—0·7	103	— 5
724	Montserrat	16 41	62 9	39·6	1010·8	1015·3	+ 0·8	306·1	309·7	2nd	296·6	293·6	31st	301·3	*300·7*	..	58	..
725	Grenada (Richmond Hill)	12 5	61 46	155	995·4	1013·2	+ 0·8	302·5	304·7	2nd, 7th	296·4	293·0	23rd, 24th	299·4	*298·8*	0·0	384	+145
725	Barbados	13 8	59 36	55·2	..	1014·5	+ 0·8	303·0	305·8	24th	296·7	294·8	11th	299·9	*299·5*	+0·5	407	+228
727	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·6	1013·8	+ 1·3	300·9	302·8	29th	294·4	292·8	13th	297·7	*298·3*	—1·1	67	+ 25
733	San Tiago, C. Verde Is.	14 54	23 31	?40	..	..	..	301·1	303·7	30th	298·4	295·5	12th	299·8	*299·6*	+0·3	0	—109
734	Bathurst	13 27	16 36	1·8	1012·8	1013·0	+ 1·0	303·4	305·8	24th	..	..	..	..	*300·7*	0·0	461	— 38
735	M'Carthy Island	13 33	14 45	1·1	..	..	..	305·0	308·0	20th	296·3	294·7	10th	300·7	..	0·0	281	+ 17
736	Segou	13 33	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	303·3	309·1	3rd, 4th	293·4	288·6	16th, 24th	298·3	*297·6*	—0·9	318	+114
739	Kaduna Capital	10 32	7 25	637	946·0	1017·8	+ 2·0	300·7	303·6	29th	292·7	289·1	29th	296·7	*296·1*	+0·4	160	— 86
740	Hadeija	12 40	10 5	?	..	..	..	305·4	308·6	6th	294·9	292·4	7, 10, 18	300·1	*299·4*	+0·4	282	..
741	Maiduguri	11 47	13 11	361	..	..	..	307·0	309·7	5th, 6th	295·7	293·6	17th, 28th	301·3	*300·7*	+1·4	15	—192
	El Fasher	13 32	25 18	730	..	..	..	307·6	311·5	10th, 26th	294·5	291·0	22nd	301·0	..	..	77	..
743	El Obeid	..	..	..	..	..	..	307·7	309·5	1, 8, 24	295·8	293·4	13th	301·7	*300·7*	+1·6	36	— 79
744	Khartoum	13 11	30 14	569	965·2	1008·3	+ 0·5	311·9	314·0	24th	298·7	294·9	4th	305·3	*305·2*	+1·0	23	— 33
745	Port Sudan	15 37	32 33	390	1004·4	1005·0	0·0	312·5	315·5	6th, 13th	299·4	296·0	2nd	305·9	*305·3*	—1·2	0	— 1
746	Berbera, Somaliland	10 37	37 13	5·5	1004·9	1005·8	+ 0·2	315·2	319·7	8th	304·3	303·0	5, 6, 30	309·7	*309·3*	+0·4	0	— 1
	Aden	10 22	45 2	9·5	1004·9	1004·5	— 0·4	306·6	308·9	5th	299·6	296·6	4th, 5th	303·1	*303·3*	0·0	0	— 3
751	Bombay	12 45	45 3	28·7	1001·4	1004·5	— 0·4	302·0	303·1	1st	298·4	297·3	30th	300·2	*299·6*	+0·2	276	— 73
751*a*	Cochin	18 54	72 49	11·3	1005·3	1006·5	— 0·3	301·5	302·8	16th	296·5	294·8	1st	299·0	*298·4*	—0·3	424	+ 99
752	Kodaikanal	10 58	76 21	2·7	1011·7	1011·9	+ 1·3	291·1	293·4	18th	284·4	282·5	25th	287·7	*287·8*	+0·4	172	+ 1
752	Bangalore	10 14	77 28	2343	770·0	..	+ 0·6	300·9	303·1	17th	291·8	290·2	15th	296·4	*295·3*	+0·2	107	— 24
753	Madras	12 59	77 38	920	908·8	1009·2	+ 0·6	308·9	311·4	15th	299·2	296·4	22nd	304·0	*303·3*	+1·2	79	— 42
754	Vizagapatam	13 4	80 14	6·7	1006·7	1007·4	+ 0·3	305·6	309·9	15th	300·2	297·2	27th	302·9	*302·3*	?+1·4	78	— 64
755	Port Blair	11 40	92 40	17·7	1006·6	1008·5	+ 0·2	302·9	304·3	8th	298·7	296·6	22nd	300·8	*300·2*	+0·5	260	—108
756	Rangoon	16 46	95 48	5·5	1006·3	1007·1	— 0·4	302·6	304·1	3rd, 16th	296·9	294·8	17th	299·8	*298·9*	—0·2	639	+137
756	Saigon	10 47	106 42	11·2	1006·7	1007·9	+ 0·4	303·8	305·6	31st	297·2	296·0	27th	300·5	*300·0*	—0·1	194	— 80
757	Nhatrang	12 15	109 12	3·6	1004·0	1004·4	— 1·0	306·3	309·9	8th	297·8	296·4	17th	302·1	*301·5*	+0·1	54	+ 17
758	Bolinao	16 24	119 53	7·1	..	1002·5	— 3·2	302·3	305·5	2nd	297·0	295·7	21st	299·7	*299·0*	—0·8	1635	+1075
759	Manila	17 34	120 23	12·2	..	1003·0	— 3·3	302·5	305·5	29th	296·5	295·4	7th, 21st	299·5	299·2	—0·6	1472	+783
760	Vigan	17 34	120 23	12·2	..	1005·2	— 2·1	301·5	304·8	22nd	296·9	295·5	25th	299·2	298·9	—1·1	1983	+1590
761	Manila	14 35	120 59	14·2	..	1006·3	— 1·0	305·6	307·3	18th	298·4	295·4	22nd	302·0	*301·7*	+1·9	57	—206
762	Ormoc	11 0	124 36	5·6	..	1006·6	— 0·7	303·2	?305·0	3rd	297·4	296·0	30th	300·3	*299·9*	—0·3	668	+265
763	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															

AUGUST—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
801	Fanning Island	3 55	159 23	3·1	..	..	..	306·1	308·6	28th	297·7	295·2	21st	301·9	*301·4*	+1·5	93	— 9
802	Colon	9 23	79 23	11·0	..	1011·0	+ 0·7	302·5	303·6	24th	297·7	295·8	21st	300·1	*299·7*	+0·7	172	—209
803	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	57	+ 1
804	Merida, Venez.	8 36	71 9	1641	‡842·1	..	..	297·9	300·0	20th	288·3	286·5	10th, 16th	293·1	*291·9*	..	205	..
805	El Peru, Guayanavieja	7 19	61 49	220	?986·3	?1011·4	+ 0·3	..	..	..	..	..	..	..	‡*298·9*	+2·2	145	— 36
806	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·7	+ 1·8	303·1	304·4	26th	297·1	295·8	14th, 24th	300·1	*299·8*	+0·1	141	— 27
807	Paramaribo	5 49	55 9	3·7	1015·0	1015·4	+ 2·0	304·8	306·2	25th	295·9	294·4	20th	300·3	*299·4*	+0·3	109	— 40
808	Cayenne	4 56	52 21	6	..	..	..	304·8	305·8	24th	294·7	293·0	15th	299·8	*298·8*	—0·8	12	— 58
809	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
810	Freetown, Sierra Leone	8 29	13 9	68·3	1007·2	1015·1	+ 1·8	301·5	310·8	31st	..	..	..	..	‡*298·2*	+0·6	579	—335
811	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	0	— 18
812	Accra	5 33	W 0 12	25·7	..	..	..	301·9	..	..	..	..	..	..	..	..	0	— 15
813	Lagos	6 27	E 3 24	4·6	1014·6	1015·1	..	300·3	303·7	..	295·5	293·6	..	297·9	*297·5*	—0·2	5	— 63
814	Zungeru	9 48	6 10	130	..	..	..	303·3	305·8	3rd, 16th	294·9	292·4	17th	299·1	*298·6*	+0·4	191	— 39
815	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
816	Tola	9 12	12 30	259	..	..	..	303·2	307·4	15th	..	..	..	..	‡*297·8*	—0·8	147	— 62
817	Wau	7 42	28 3	440	960·9	1010·4	— 0·1	304·9	307·5	7, 10, 24	294·0	290·5	22nd	299·5	*298·2*	+0·6	117	— 90
818	Malakal (Kodok)	9 35	31 37	394	967·3	1011·8	+ 0·7	304·9	308·4	7th	294·8	291·1	14th	299·9	*298·1*	..	329	+159
819	Mongalla	5 11	31 47	439	961·4	1010·9	+ 0·4	305·0	307·0	3rd, 8th	..	..	..	..	‡*297·4*	..	99	— 49
820	Entebbe	0 5	32 29	1171	885·7	..	+ 1·0	298·6	300·8	28th	289·2	287·6	5th	293·9	*292·9*	+0·2	69	— 8
821	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
822	Mimicoy	8 17	72 49	2·1	1012·4	1012·6	+ 1·7	..	..	..	..	..	..	..	..	..	176	— 5
823	Colombo Observatory	6 54	79 53	7·3	1010·3	1011·1	+ 1·6	302·1	302·9	31st	297·5	295·9	19th	299·8	*299·2*	—0·5	114	+ 37
824

AUGUST—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	*301·2*	+0·2	83	
924	Manaos	3 8	60 1	43·8	..	..	..	304·8	307·4	25th	296·7	295·0	11th	300·8	*299·8*	—0·8	45	
926	Taperinha	2 30	54 20	20·0	1011·2	1013·4	+ 0·8	303·8	306·0	22nd	294·9	293·6	3rd	299·4	*298·0*	—0·3	73	
927	Turyassu	1 43	45 26	15·1	1011·6	1013·3	+ 0·3	306·2	307·8	30th	295·9	294·7	4th	301·0	*299·6*	+0·6	11	
928	Barra do Corda	5 30	45 16	81·0	1002·6	1011·8	— 0·3	307·9	310·7	28th	292·8	289·2	4th	300·4	*299·5*	+1·2	0	
929	Quixeramobim	5 16	39 15	207	991·3	1014·7	+ 0·6	304·9	307·5	9th	296·8	294·8	23rd	300·8	*300·0*	+0·1	17	
930	Fernando Noronha	3 50	W32 25	106	1003·4	1015·6	+ 0·6	299·6	300·3	15th	296·1	294·3	8th, 16th	297·8	*297·5*	..	27	
939	Loanda	8 49	E 13 13	59·3	..	1017·1	+ 1·7	294·4	297·0	28th	290·3	288·9	20, 21, 31	292·3	292·2	—0·6	0	
940	Brazzaville	4 17	15 16	320	978·2	1014·7	+ 0·1	303·2	307·0	31st	292·5	290·0	18th, 19th	297·9	*297·2*	+1·4	3	
943	Masaka	0 21	31 47	‡1280	..	..	..	298·8	300·2	19th	288·7	288·0	12th	293·7	*291·9*	—0·2	114	
944	Nairobi	1 14	36 44	1800	..	..	..	295·2	299·7	28th	281·9	277·4	7th	288·6	*288·0*	—0·1	40	
944a	Zanzibar	6 10	39 11	21·9	1017·0	1019·5	+ 0·7	300·7	302·4	30th	295·7	294·6	1st	298·2	*297·1*	+0·3	41	
945	Lamu	2 16	40 50	3·1	..	..	..	305·2	305·8	2nd, 29th	295·8	294·1	2nd	300·5	*299·9*	+1·3	52	
947	Seychelles, Port Office	4 37	55 27	4·6	1013·4	1013·9	+ 1·0	299·9	300·8	..	297·7	296·7	..	298·8	*297·9*	+0·2	11	
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	174	
958	Batavia	6 11	106 50	8·0	1010·3	1011·2	+ 0·7	303·1	305·3	25th	296·1	294·5	4th	299·6	299·3	+0·2	26	
958a	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	20	
959	Passeroean	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	0	
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	0	
962	Ambon	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	53	
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	48	
965	Daru	9 4	143 13	7·6	..	..	..	302·7	..	..	..	..	..	..	‡*299·3*	+0·5	26	
966	Port Moresby	9 29	147 9	39·0	..	1014·3	+ 2·3	299·9	..	..	295·3	..	..	297·6	*297·2*	—1·0	7	
967																		
968	Rendova	8 30	157 12	1·8	1011·4	1011·5	+ 1·1	..	..	..	..	..	..	..	..	..	659	
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1011·4	1011·6	+ 1·1	303·4	305·3	2nd, 31st	297·6	296·4	21st, 28th	300·5	*300·3*	+0·6	151	
970	Ocean Island	0 52 S.	169 35 E.	54·0	1002·3	1008·4	0·0	303·8	305·8	1st	296·6	295·2	24th	300·2	*299·5*	—0·8	350	

AUGUST—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1012·7	+ 0·5	302·6	304·2	23rd	294·7	291·4	28th	298·7	298·7	+0·4	110	
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	300·0	302·4	3rd, 4th	292·0	287·4	17th, 28th	296·0	*295·8*	+0·2	147	
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	
1021	Arequipa	16 22	71 33	2451	762·2	..	+ 0·7	293·1	296·4	1st	282·5	278·5	14th	287·8	*287·1*	+0·7	0	
1022	Puerto de Arica	18 28	70 20	5	..	..	..	290·8	291·4	sev. dates	284·0	283·0	sev. dates	287·4	*289·6*	+0·5	0	
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	
1025	Corumba	18 59	57 39	116	1003·1	1016·7	+ 2·7	299·9	309·5	25th	287·9	280·4	29th	293·9	*292·9*	—3·0	23	
1026	Cuyaba	15 36	56 6	165	996·0	1015·2	+ 2·3	300·7	306·7	6th	292·6	286·4	10th	296·6	*296·5*	—2·3	48	
1027	Bello Horizonte	19 55	43 57	857	923·1	1020·4	+ 1·7	295·6	299·8	8th	285·3	279·7	21st	290·5	*290·1*	—0·8	37	
1028	Caetite	14 3	42 37	900	918·8	1018·5	+ 0·9	297·6	299·6	29th	289·7	284·9	20th	292·8	*293·3*	—0·3	2	
1029	Ondina (Bahia)	13 0	38 31	46·6	1012·5	1018·0	+ 0·1	298·5	300·0	14th	293·9	292·5	6th, 24th	296·2	*296·0*	—0·2	136	
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
1035	St. Helena	15 57	W 5 40	632	948·9	1021·5	+ 1·4	290·6	293·6	25th	284·5	283·3	19th	287·5	*287·3*	+0·1	101	
1042	Gwelo	19 28	E 29 48	1417	863·7	..	— 1·4	298·0	305·2	30th	276·8	270·2	16th	287·4	..	—1·0	0	
1043	Salisbury, Rhodesia	17 48	31 5	1457	858·5	..	— 2·3	297·1	303·6	31st	278·6	272·6	15th	287·8	*287·1*	—0·8	4	
1044	Zomba	15 23	35 18	996	911·8	1024·0	+ 0·5	298·3	303·6	30th	285·3	280·2	18th	291·8	*291·2*	+0·6	3	
1045	Tananarive	18 55	47 32	1400	868·6	..	+ 0·5	296·1	302·4	31st	282·6	280·4	2nd, 11th	289·4	*288·2*	+1·2	..	
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	
1055	Cocos Keeling Is.	12 5	96 53	4·6	1014·3	1014·8	+ 1·4	300·4	301·8	29th	296·6	293·8	4th	298·5	*298·2*	—0·4	54	
1056																		
1057	Christmas Island	10 25	105 43	5·5	1010·3	1010·9	+ 0·4	303·4	304·7	..	295·1	293·6	..	299·2	*298·3*	—0·2	28	
1058																		
1061	Koepang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	0	
1061a	Derby	17 18	123 40	16·2	1014·1	1016·2	+ 1·6	302·7	307·1	8th	290·7	287·6	11th	296·7	..	+0·1	17	
1062	Hall's Creek	18 13	127 46	374	975·0	1016·9	+ 1·4	303·2	305·8	31st	284·7	280·1	2nd	293·9	*293·2*	+0·2	0	
1063	Darwin	12 28	130 51	29·6	1010·2	1013·5	+ 1·1	304·2	305·8	16th, 17th	293·0	289·1	5th	298·6	*297·4*	—0·8	8	
1064	Daly Waters	16 16	133 23	211	990·3	1014·2	+ 0·2	303·9	308·0	31st	287·7	280·8	3, 4, 5	294·8	*294·1*	—1·0	8	
1065	Mein	13 13	142 47	122	1000·2	1014·0	+ 1·4	302·1	305·9	26th	289·8	285·1	7th	295·9	..	—1·0	0	
1066	Georgetown, Queensland	18 22	143 32	302	983·1	1017·5	+ 1·7	301·2	304·1	14th	284·3	275·2	2nd	292·7	..	—1·0		
1067	Samarai	10 37	150 40	15·2	..	1015·4	+ 2·6	297·7	..	..	..	..	..	..	‡*297·1*	—1·1	80	
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1014·0	— 1·8	297·6	302·3	4th	293·4	291·8	31st	295·5	*295·3*	—0·7	105	
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

The table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

AUGUST—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	32	— 81
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·6	1017·9	+ 0·2	287·6	291·4	23rd	283·1	281·2	8th	285·3	*285·0*	0·0	9	— 4
1122	Iquique	20 12	70 11	9	..	..	..	291·3	294·3	24th	284·3	282·2	13th	287·8	*289·5*	+0·4	0	0
1123	Catamarca	28 27	65 47	510	955·7	1014·8	— 0·2	297·1	310·6	23rd	279·4	273·4	9th	288·3	288·3	—0·2	0	— 3
1124	Salta	24 46	65 28	1178	884·5	1016·4	+ 0·6	293·8	306·3	23rd	275·6	267·7	9th	284·7	285·0	—1·5	0	— 3
1125	Goya	29 9	59 15	26	1016·1	1019·2	+ 2·8	294·0	306·7	24th	281·2	275·0	9th	287·6	287·6	—0·6	29	— 6
1126	Asuncion	25 21	57 37	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1012·6	1019·8	+ 1·0	295·6	303·3	8th	290·2	286·2	17th	292·9	292·7	—0·8	76	+ 28
1139	Windhoek	22 35	E 17 5	1680	..	..	..	293·6	299·7	25th	280·3	276·0	29th	286·9	*286·8*	—1·0	0	— 2
1140																		
1141	Kimberley	28 42	24 47	1202	886·6	..	+ 0·2	294·2	302·0	25th, 26th	278·4	271·8	5th	286·3	285·9	+0·7	12	+ 5
1142	Johannesburg	26 11	28 4	1806	826·8	..	— 0·1	291·6	297·0	24th	278·8	270·9	4th	285·2	*284·8*	0·0	0	— 9
1143	Pretoria (Brooklyn)	25 46	28 13	1400	866·8	..	+ 0·6	294·2	299·2	25th	278·6	272·7	4th	286·4	*286·0*	+0·1	0	..
1144	Buluwayo	20 9	28 35	1340	871·9	..	— 0·1	297·1	305·0	..	280·8	276·5	..	288·9	*288·7*	—0·3	0	— 1
1145	Durban	29 52	31 3	15·2	1021·2	1023·0	+ 0·5	295·4	298·0	16th	285·9	281·3	6th	290·7	*290·3*	0·0	36	— 3
1144	Lorenzo Marques	25 58	32 36	59	..	1021·9	+ 0·8	297·5	308·4	26th	286·5	282·0	6th	292·0	291·6	—0·7	26	+ 10
1147	Mauritius	20 6	57 33	55·2	1013·8	1020·4	— 0·1	297·1	299·2	28th	289·3	286·0	22nd	293·2	293·0	0·0	78	+ 18
1159	Onslow	21 43	114 57	4·3	1014·8	1015·7	— 0·5	300·6	304·7	8th	286·9	283·8	30th, 31st	293·8	..	+1·7	15	+ 6
1160	Peak Hill	25 38	118 47	588	949·2	1016·3	— 1·1	293·6	300·5	17th	282·1	278·3	12th	287·9	..	—0·2	26	+ 13
1161	Nullagine	21 53	120 5	386	972·7	1016·4	— 0·3	300·1	303·6	11th	285·5	280·8	9th	292·8	..	+1·9	27	+ 17
1162	Laverton	28 40	122 23	1466	964·9	1018·7	— 0·8	292·9	301·0	17th	280·7	274·4	14th	286·8	*286·7*	+0·7	61	+ 45
1163	Alice Springs	23 38	133 37	587	951·8	1018·6	+ 0·8	296·3	301·3	30th	279·2	272·4	15th	287·8	*287·6*	+0·1	3	— 7
1164	William Creek	28 55	136 21	1076·2	1011·4	1020·5	+ 0·9	294·7	301·3	5th	279·4	274·1	16th	287·1	*286·8*	+0·5	0	— 7
1165	Boulia	22 55	139 38	146	1001·0	1017·9	+ 1·2	299·2	305·5	31st	280·7	275·0	3rd	289·9	*289·7*	—0·3	2	— 5
1166	Thargomindah	26 32	147 52	336	1005·7	1020·3	+ 1·2	294·6	301·5	30th	279·6	273·9	3rd	287·1	*286·8*	—0·3	20	+ 6
1167	Mitchell	27 58	143 43	123	981·1	1019·8	..	294·7	299·1	7, 21, 31	274·3	266·9	6th	284·5	..	—1·2	14	— 11
1168	Rockhampton	23 24	150 30	11·3	1018·2	1019·6	+ 0·7	297·6	301·6	14th	283·3	276·1	5th	290·4	..	—0·7	11	— 14
1169	Brisbane	27 28	153 2	41·7	1015·3	1020·3	+ 1·2	294·6	299·2	21st	282·1	276·6	5th	288·3	*287·8*	—0·5	18	— 36
1170	Onitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1016·3	1018·1	— 0·3	290·9	292·9	15th	286·2	282·4	22nd	288·6	*288·2*	—0·3	94	— 56

Between Latitude 30° S. and 40° S.

AUGUST—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	287·7	292·3	20th	282·6	280·1	15th	285·1	*285·5*	—0·1	89	— 6
1222	Punta Tumbes	36 37	73 6	91	‡1008·7	‡1019·9	+ 0·7	286·1	289·3	13th	279·7	276·5	7th	282·9	*282·7*	—0·6	54	— 10
1223	Punta Angeles, Valparaiso	33 1	71 38	41	1013·0	1018·0	— 0·6	289·0	296·9	29th	281·1	278·0	9th, 27th	285·1	*284·4*	—1·0	53	— 16
1224	Santiago	33 27	70 42	520	957·1	1018·6	— 0·2	291·5	297·5	29th	277·2	271·2	8th	284·3	*283·2*	+1·3	18	— 40
1225	Cordoba	31 25	64 12	423	969·2	1019·4	+ 2·6	293·2	303·6	..	276·1	270·2	..	284·7	284·3	—0·7	1	— 12
1226	Bahia Blanca	38 45	62 15	25	..	1019·4	+ 2·4	286·4	293·2	20th	276·6	273·0	10, 15, 31	281·5	281·5	—1·1	13	— 12
1235	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1020·4	+ 1·9	288·2	295·8	6th	277·4	271·1	26th	282·8	282·9	—1·3	17	— 44
1236	Montevideo (Prado)	34 52	56 12	24·9	1016·9	1019·9	+ 1·4	287·4	297·7	6th	278·6	272·8	28th	283·0	283·1	—0·5	18	— 60
1237	Porto Alegre	30 2	W51 13	23·5	..	1021·4	+ 2·4	291·3	301·1	25th	280·4	274·6	11th	285·9	285·7	—1·9	49	— 73
1239	Cape Town	33 56	E 18 29	12·2	..	1021·1	+ 1·1	290·7	298·0	13th	282·5	277·3	4th	286·6	*285·2*	+0·5	56	— 27
1240	Danger Point	34 37	19 18	27·7	1017·1	1020·4	..	289·0	291·3	25th	283·2	277·4	27th	286·1	..	..	45	— 23
1241	Riversdale	34 6	21 16	?61	1008·9	1016·3	..	293·1	301·9	14th	279·4	272·4	5th	286·2	..	..	32	..
1242	East London	33 1	27 54	9·8	1019·0	1020·2	+ 0·3	293·9	301·3	18th	283·2	276·9	7th	288·6	..	—0·1	9	— 49
1259	Perth (Observatory)	31 57	115 51	60·0	1011·4	1018·9	+ 0·2	290·6	295·9	25th	281·6	276·9	14th, 15th	286·1	*286·1*	—0·2	153	+ 9
1260	Katanning	33 42	117 35	310	981·1	1018·4	+ 0·4	287·7	293·1	9th	279·1	273·3	15th	283·4	..	0·0	64	+ 1
1261	Coolgardie	30 57	121 10	423	969·0	1018·5	— 0·5	290·8	299·4	9th	279·2	273·1	12th	285·0	*284·9*	0·0	90	+ 64
1262	Eucla	31 45	128 58	4·6	1017·5	1018·0	0·0	292·6	302·7	10th	281·0	274·7	1st	286·8	*286·5*	+0·3	15	— 9
1263	Streaky Bay	32 48	134 13	13·1	1018·4	1019·8	+ 0·4	292·1	297·4	28th	282·0	277·4	21st	287·1	*286·8*	+1·4	27	— 22
1264	Adelaide	34 56	138 35	42·7	1015·2	1020·4	+ 1·3	291·2	297·6	5th	281·4	275·0	21st	286·3	*286·2*	+1·1	78	+ 14
1265	Melbourne	37 49	144 58	35·1	1015·3	1019·6	+ 1·5	293·8	300·8	12th	278·3	271·3	5th	286·1	..	—0·6	14	— 8
1266	Bourke	30 13	145 58	110	1010·8	1024·1	+ 1·9	293·8	300·8	12th	278·3	271·3	5th	286·1	..	—0·6	14	— 32
1267	Sydney	33 51	151 13	44·5	1013·6	1019·0	+ 0·9	291·7	298·8	12th	281·2	276·8	6th	286·4	*285·8*	+0·6	19	— 57
1268	Lord Howe Island	31 20	159 0	4·6	1017·8	1018·4	+ 0·1	291·9	293·9	12th	285·1	281·1	7th	288·5	..	—0·1	79	— 54
1271	Auckland	36 50	174 50	38·1	..	1014·9	..	287·2	289·7	14th	279·7	276·9	10th	283·4	..	—0·8	76	— 32
1272	Napier	39 32 S.	176 53 E.	21·3	..	1014·3	— 0·3	287·6	291·6	31st	278·8	272·4	22nd	283·2	..	+0·2	93	+ 14

Between Latitude 40° S. and 50° S.

AUGUST—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	80	— 9
1321	Isla Guafo	43 34	74 45	140	1000·2	1017·4	+ 2·6	282·4	284·7	15th	278·7	275·4	6th, 24th	280·5	*280·5*	+0·2	79	— 69
1322	Punta Galera	40 1	73 44	40	1015·1	1020·0	+ 2·8	283·9	285·5	13th	279·4	277·0	9th, 26th	281·7	*282·2*	—0·2	194	— 75
1323	Sarmiento	45 30	69 0	274	..	1017·6	..	284·1	289·0	13th	273·2	268·0	9, 15, 30	278·7	278·3	+0·1	6	— 7
1324	Puerto Madryn	42 49	W64 58	14	..	1016·4	..	286·6	291·8	1st	274·2	269·0	29th	280·4	280·7	—0·7	19	+ 11
1362	Launceston	41 27	E147 10	10·1	1014·9	1016·1	+ 1·6	287·1	289·7	30th	277·0	270·3	5th	282·1	*281·6*	+0·8	47	— 23
1363	Hobart	42 53	147 20	53·9	1008·9	1015·5	+ 2·0	285·8	290·7	10th	278·5	273·4	5th	282·2	*281·7*	+0·3	30	— 17
1370	Invercargill	46 25	168 21	5·5	..	..	..	284·0	289·7	15th	275·2	269·9	5th	279·6	..	—0·1	136	+ 50
1371	Dunedin	45 52	170 31	91·4	..	1013·2	+ 0·5	284·3	292·4	14th	276·8	271·9	7th	280·6	..	+1·4	190	+112
1372	Christchurch	43 31	172 38	7·6	..	1013·4	— 1·1	284·9	292·9	15th	277·2	272·2	24th	281·1	..	+1·2	40	— 13
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1014·3	+ 0·3	285·7	291·1	31st	280·1	273·6	9th, 11th	282·9	..	+0·7	87	— 27
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," Pages 113 and 114.

AUGUST—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure * Mean at Level of Station.	Pressure * Mean at M.S.L.	Pressure * Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	999·0	1005·8	+ 2·8	279·4	282·8	16th	275·9	269·5	24th	277·7	277·5	+0·3	181	—
1422	Puerto de Punta Arenas	53 10	70 54	4	1002·8	1003·3	+ 0·1	279·5	283·5	13th	273·8	269·6	24th	276·7	277·1	+1·0	21	—
1423	Punta Dungeness	52 24	68 26	5	..	..	..	277·8	279·8	17th	274·1	273·2	24th	275·9	277·3	+1·3	9	—
1424	Santa Cruz	50 11	68 21	12	..	1007·6	— 0·8	283·0	289·4	31st	273·3	268·0	19th	278·1	277·9	+1·5	2	—
1424a	Año Nuevo	54 39	64 8	50	993·5	999·7	— 1·9	278·0	280·7	17th	274·7	271·2	24th	276·3	276·5	+1·1	42	—
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	72	—
1426	Cape Pembroke	51 41	57 42	21	..	1003·5	— 0·7	278·3	281·3	19th	273·3	270·2	25th	275·8	276·3	+0·3	..	—
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	1000·1	1000·6	+ 0·5	275·2	281·6	13th	269·7	263·6	12th, 13th	272·5	272·8	+1·3	244	+—

AUGUST—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	988·3	989·2	— 6·1	271·8	279·6	12th	266·9	252·0	11th	269·3	269·2	+5·9	49	+
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—AUGUST 1919.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
		9h.		17½h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SSE	10·3	SE	SW 1 Calm 0	E 1 E 1	SE 7	E 4	SE 3 SE 4	Calm 0
2	SE	9·1	SE	Calm 0 Calm 0	E 1 E 1	SE 7	SE 2	ESE 2 SE 3	NE 1
3	SE	8·2	SE	Calm 0 Calm 0	E 1 E 1	SE 7	SE 4	SE 2 S 1	SE 0
4	SSE	6·4	SE	Calm 0 Calm 0	E 1 NNE 1	SE 6	SE 2	SSE 2 S 3	Calm 0
5	SSE	5·9	SE	Calm 0 SW 1	NNE 2 E 2	NE 6	SE 2	S 1 S 3	Calm 0
6	SSE	6·9	SE	Calm 0 SW 1	E 1 SE 1	NE 6	Calm 0	S 4 SSW 3	Calm 0
7	SSE	8·1	SE	Calm 0 Calm 0	E 1 E 1	NE 6	SE 6	E 3 E 3	Calm 0
8	SE	9·2	SE	Calm 0 Calm 0	W 1 E 1	NE 6	SE 4	E 2 E 1	Calm 0
9	SE	8·5	SE	NE 1 SW 1	E 1 E 1	NE 6	SE 2	SSE 3 S 3	Calm 0
10	SSE	9·6	SE	SW 1 SW 1	SSE 1 S 1	NE 6	SE 6	SE 4 S 3	SE 1
11	SSE	7·9	SE	NE 1 Calm 0	E 1 S 1	NE 6	SE 4	SE 1 Calm 0	SE 1
12	SE	6·6	SE	NE 1 N 1	S 1 E 1	NE 7	SE 6	SE 1 S 1	SE 1
13	SSE	6·4	SE	SW 1 SW 1	SE 1 E 1	NE 6	SE 6	SE 1 SE 1	SE 1
14	SSE	8·5	SE	SW 1 SW 1	NE 1 E 1	NE 6	SE 4	SE 1 SE 2	SE 2
15	SSE	7·9	SE	SW 1 SW 1	E 1 SE 1	NE 6	SE 4	SE 1 SE 2	SE 2
16	SSE	9·8	SE	Calm 0 SW 1	E 1 SE 1	NW 7	SE 2	SE 2 Calm 0	Calm 0
17	SSE	9·4	SE	Calm 0 SW 1	S 2 Calm 0	N 6	SE 2	SW 2 SW 3	SE 3
18	SSE	6·1	SE	NE 1 SW 1	SE 1 SE 2	NE 4	Calm 0	W 4 W 3	Calm 0
19	SSE	4·6	SE	SW 6 SW 7	E 1 S 2	E 4	Calm 0	W 4 WNW 2	Calm 0
20	SE	5·3	SE	Calm 0 SW 1	S 2 SE 1	NE 6	Calm 0	W 3 W 3	Calm 0
21	SSE	4·9	SE	NE 2 SW 1	S 1 E 1	NE 6	Calm 0	WNW 2 W 2	Calm 0
22	SSE	2·8	SE	Calm 0 Calm 0	NNE 1 SSW 1	NE 5	SE 2	W 3 NW 1	Calm 0
23	Calm	1·6	SE	SW 2 SW 1	W 1 Calm 0	NE 5	Calm 0	NE 2 N 3	Calm 0
24	SSW	5·6	SE	SW 1 Calm 0	E 1 E 1	NE 5	SE 2	NW 4 Calm 0	Calm 0
25	SSE	7·3	SE	Calm 0 SW 6	E 1 E 2	NE 6	SE 2	NE 1 N 1	Calm 0
26	SSE	11·1	SE	Calm 0 SW 5	NNW 2 SW 1	NE 7	SE 4	W 2 W 3	Calm 0
27	SSE	13·1	SE	Calm 0 Calm 0	N 2 E 1	NE 6	SE 4	E 1 E 1	Calm 0
28	SE	9·9	SE	NE 1 SW 4	W 2 E 2	NE 6	Calm 0	E 2 ENE 1	SE 1
29	SE	9·0	SE	NE 1 SW 1	E 2 SSE 1	NE 7	Calm 0	Calm 0 Calm 0	Calm 0
30	SE	7·5	SE	Calm 0 SW 1	E 2 E 1	SE 7	Calm 0	W 3 W 4	Calm 0
31	SSE	..	SE	Calm 0 SW 1	E 1 E 1	SE 7	SE 4	W 3 W 3	Calm 0
Mean	..	7·6	..	0·7 1·2	1·3 1·1	6·1	2·3	2·2 2·0	130° (88)
§Resultant	150° (87)	..	135° (100)	225° (31)	105° (59)	60° (74)	135° (66)	180° (24)	103° (45)
§Normal	141° (89)	8·1	‖123° (79)	259° (43)	250° (21)	93° (88)	135° (82)	105° (61)	103° (45)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 632 metres. § Direction and "Constancy" For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—AUGUST 1919.

‡‡ *Kara Sea.*—Ice close until 22nd but by end of month Jugor and Kara Straits were both free from ice and also the coasts from Matotchin Strait to Dickson Head, and in many parts to 75° N. Temperature of water at edge 282° to 284°. The area covered was 171 × 10³ sq. km. compared with a normal of 228 × 10³ sq. km.

‡‡ *Barents Sea.*—No information received but probably free of ice to 77° N. The area covered was 283 × 10³ sq. km. compared with a normal of 320 × 10³ sq. km.

‡‡ *Spitsbergen.*—No ice in the west except a little crushed ice and a few icebergs off South Cape. Unbroken ice occurred along Edge Land and King Charles Land and drift ice over Storfjord.

‡‡ *Iceland.*—The coasts were free of ice, the normal duration being 1 day with ice visible.

‡‡ *Greenland Sea and Denmark Strait.*—Much open water found along the land from Denmark Strait to Denmark Haven, though Franz Joseph Fjord was blocked. Only old ice met with east of Koldeway. In Denmark Strait more scattered ice than earlier in the year though the sea at Angmagsalik was almost ice free on several days. The area covered was 519 × 10³ sq. km. compared with a normal of 551 × 10³ sq. km.

‡‡ *N. Atlantic and Labrador.*—Many icebergs still met with on the Newfoundland Banks, some unusually far south, one 60 m. high even as far south as 40° 26′ N. and 47° 52′ W.

‡‡ *Belle Isle Strait.*—Many icebergs, big and small, in the Strait proper and numerous icebergs up to a distance of 120 miles east of Belle Isle.

‡‡ *Davis Strait.*—A little new "Storis" passed Cape Farewell and reached Nanortalik, otherwise west Greenland coast was free of ice. Cumberland Sound, Baffin Land, was touched on the 20th—24th. From Cape Walsingham northward the ice was lying closely packed.

‡‡ *Baffin Bay and Smith Sound.*—While crossing Baffin Bay the motor schooner "Dorthea" met the scattered ice edge in 74° N. and close ice (except for a few openings) in 75° N. Except for scattered ice to the north of C. York the east coast of Smith Sound was free of ice to Inglefield Bay where unbroken ice occurred in innermost parts of the bay.

‡‡ *Beaufort Sea.*—Close ice, 5–10 miles off-shore, extended from Icy Cape to Pt. Barrow. No ice occurred from East Cape to Cape Vankeren but further west scattered, then close ice.

‡‡ *Isforholdene i de Arktiske Have*, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, SEPTEMBER 1919.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF SEPTEMBER 1919 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **SEPTEMBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 27	66 40	?	1006·8	..	— 0·2	..	279·6	1st	..	263·1	30th	..	*270·2*	..	3	..
125	Upernivik	72 47	W56 7	18·9	1004·6	1006·9	— 1·5	276·6	282·8	4th	270·4	263·3	14th	273·5	*273·2*	—0·6	27	+ 1
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1001·3	1002·7	— 6·9	..	277·3	1st	270·1	265·3	21st	..	272·6	+0·3	12	— 7
140	Gjesvaer	71 6	25 22	6·5	995·5	996·3	—11·6	..	288·1	7th	277·7	273·8	16th	..	*279·7*	+0·2	265	+196
141	Mehavn	71 1	27 47	6·4	995·8	996·6	—12·6	..	288·3	6th	277·9	272·6	21st	..	*280·0*	+0·6	132	+ 49
142	Vardö	70 22	31 8	10·0	1001·0	1002·2	— 6·6	..	285·6	1st	278·6	274·9	21st	..	*280·2*	+1·0	61	— 1
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
157	Mandhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 70° N. and 60° N. **SEPTEMBER—ZONE 2.**

204	Gambel		N.	W.														
205	Nome	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	280·8	280·9	16th	274·9	269·1
206	Candle	64 30	165 24	6·7	..	1005·4	— 1·0	280·8	286·9	16th	274·9	269·1	12th, 18th	277·9	*277·9*	—0·3	67	+ 16
207	Tanana	65 55	161 57	2·4	..	..	..	282·6	292·4	5th	273·9	266·3	14th	278·2	..	..	57	..
208	Rampart	65 10	152 6	67·1	..	1008·4	+ 0·1	284·2	293·0	16th	273·3	265·2	22nd, 29th	278·8	*278·6*	+1·7	58	+ 23
209		65 30	150 15	122	..	..	..	..	..	..	..	..	..	..	..	..	67	+ 33
227	Valdez																	
228	Eagle	61 7	146 16	8·2	..	1012·2	+ 3·1	284·1	288·6	6th	276·7	271·9	26th, 30th	280·4	*280·0*	—0·3	181	— 31
229	Dawson	64 46	141 12	254	..	1008·8	0·0	285·7	295·8	15th	274·4	268·6	1st	280·1	..	+2·1	31	0
230	Carcross	64 4	139 20	328	971·0	1010·4	— 1·4	286·3	296·9	15th	273·6	267·4	26th	279·9	..	+1·1	27	— 21
231	Fort Good Hope	60 11	134 34	662	..	..	..	288·5	295·8	sev. dates	273·6	265·8	3rd	281·1	..	+0·7	27	+ 2
232	Fort Simpson	66 25	128 53	65·2	1002·4	1010·5	..	285·2	294·1	16th	273·6	263·6	26th	279·4	..	..	15	+ 1
		61 52	121 35	129	994·9	1010·6	..	289·7	300·8	16th	276·3	269·1	27th	283·0	..	+3·6	33	— 5
253	Hay River	60 51	115 20	161	991·0	1010·4	..	289·1	300·2	17th	278·6	271·9	27th, 28th	283·8	..	+3·6	33	..
255	Jacobshavn	69 13	51 2	12·6	1005·4	1007·0	— 1·2	276·9	284·1	19th	271·8	265·7	15th, 16th	274·3	*274·6*	—0·3	24	— 11
256	Godthaab	64 11	51 43	9·0	1003·4	1004·5	— 1·3	279·4	283·4	4th	273·8	270·4	25th, 26th	276·6	*276·2*	0·0	..	..
257	Avigtut	61 12	48 10	5·0	1006·0	1006·6	+ 1·6	280·8	285·7	18th	276·5	272·4	24th	278·7	*277·9*	—0·2	159	+ 4
259	Angmagsalik	65 37	37 33	31·7	1004·2	1008·1	+ 0·6	278·7	284·8	11th	272·3	268·2	26th	275·5	*275·1*	—1·4	65	— 50
270	Stykkisholm	65 5	22 46	11·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Westmanno	63 26	20 15	7·7	1003·5	1004·4	— 1·9	283·3	288·7	7th	277·3	272·3	22nd	280·3	*280·2*	—1·0	151	+ 6
272	Grimsey	66 33	17 58	22	1003·4	1006·1	— 0·9	279·3	285·4	15th	274·7	271·2	24th	277·0	*277·2*	—1·5	18	— 16
273	Berufjord	64 40	14 19	18·0	1002·2	1004·4	— 2·8	281·9	288·0	12th	275·9	270·8	28th	278·9	*278·9*	—1·0	35	— 90
274	Thorshavn	62 3	6 45	26·3	1001·8	1005·0	— 5·3	283·3	286·5	6th	278·8	272·7	20th	281·1	*280·9*	—1·0	168	+ 49
275	Lerwick	60 9	W 1 8	18·0	1005·0	1007·1	— 4·3	285·8	289·7	6th	280·9	274·7	29th	283·3	*283·3*	0·0	154	+ 78
276	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1002·6	1008·0	— 3·5	285·8	293·4	4th	281·2	274·9	29th	283·5	*283·4*	—0·9	449	+255
277	Christiansund	63 7	7 45	17·8	1002·3	1004·4	— 5·9	..	293·8	5th	280·5	275·5	30th	..	*282·8*	—0·8	257	+124
278	Trondhjem	63 26	10 25	39·5	999·9	1004·7	— 5·7	285·5	294·0	3rd	279·3	274·5	29th	282·4	*282·0*	—0·7	147	+ 60
282	Bodö	67 17	14 24	22·4	998·3	1001·0	— 8·1	..	286·8	3rd	279·4	274·0	30th	..	*281·5*	—0·3	160	+ 45
284	Haparanda	65 50	24 9	9·2	1001·1	1002·2	— 8·2	284·8	289·5	5th	277·9	270·0	16th	281·3	*281·5*	+0·9	95	+ 40
285	Helsingfors	60 10	24 57	11·7	1009·5	1011·0	— 1·8	287·9	293·6	5th	282·2	276·8	30th	285·0	285·0	+1·4	44	— 18
286	Kuopio	62 54	27 40	90·3	996·6	1007·4	— 5·2	287·2	295·9	7th	280·6	274·0	14th	283·9	*283·8*	+2·0	65	+ 4
345	Kola	68 53	33 1	6·7	1000·3	1001·1	— 8·6	283·8	290·2	6th	277·5	268·4	21st	280·7	*280·5*	+1·4	63	+ 27
346	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
347	Arkhangelsk	64 35	40 36	6·2	1005·6	1006·3	— 5·3	286·3	295·2	8th	280·1	271·8	21st	283·2	*282·8*	+1·8	69	+ 14
348	Mezen	65 50	44 16	12·6	1003·6	1005·1	— 5·2	284·6	292·8	1st	278·4	272·8	19th	281·5	*281·5*	+2·6	66	+ 21
349	Oust-Tsylma	65 25	52 14	? 70	997·8	1006·4	— 5·5	284·0	294·5	1st	277·4	272·7	22nd	280·7	*280·2*	+0·7	60	..
350	Tcherdyn	60 24	56 31	?177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
351	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Doudinka	69 23	86 4	20	1007·6	1010·0	+ 0·6	..	285·2	20th	274·8	268·1	9th	..	*277·9*	..	22	..
362	Touroukhansk	65 47	87 57	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Iakoutsk	62 1	129 43	108	1001·9	1015·2	+ 1·0	..	296·0	2nd	275·9	270·6	9th	..	*280·4*	+1·7	40	+ 13
371	Verkhoiansk	67 33	133 23	100	999·2	1011·6	+ 2·4	..	294·2	3rd	272·3	266·2	15th	..	*278·4*	+3·2	4	— 10
372	Markovo-sur-Anadyr	64 45	170 50	25·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Novo-Mariinskii Post	64 45	177 33	22·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

SEPTEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	
302	St. Paul Island	57 15	170 10	6·1	..	1004·0	— 1·9	281·4	283·6	4th	278·0	274·1	15th	279·7	..	..	77	
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1006·4	— 1·2	284·6	290·8	29th	279·0	274·7	13th	281·8	..	+0·1	93	
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	286·1	291·3	8th	276·6	270·2	20th	281·3	..	..	141	
306	Kodiak (Radio)	57 47	152 22	6·1	..	1007·8	+ 1·7	285·9	289·1	8th, 13th	279·7	275·2	25th, 26th	282·8	..	..	104	
309	Sitka	57 3	135 19	27·4	..	1015·2	+ 4·2	289·1	296·3	2nd	280·6	274·7	30th	284·9	*284·5*	+1·1	204	
310	Prince Rupert	54 18	130 18	51·8	1007·8	1014·1	— 0·1	289·7	297·4	14th, 15th	282·4	279·1	1st	286·1	*285·8*	+1·8	118	
311	Barkerville	53 2	121 35	1274	871·3	1017·7	+ 1·5	286·3	292·4	15th, 16th	275·2	264·7	27th	280·8	*280·7*	+0·2	44	
312	Kamloops	50 42	120 29	385	973·1	1018·2	0·0	295·8	301·9	10th	281·3	272·4	28th	288·6	*288·7*	+0·9	15	
313	Calgary	51 2	114 2	1045	894·9	1014·2	0·0	292·4	299·1	22nd	276·3	267·4	28th	284·4	*283·7*	+1·1	40	
314	Fort Chipewyan	58 42	111 10	218	984·7	1010·7	..	288·6	298·6	17th	279·1	270·8	28th	283·8	*284·3*	+3·5	..	
315	Prince Albert	53 10	105 38	442	960·7	1012·8	— 0·1	290·2	298·6	11th	278·6	270·8	29th	284·4	*284·1*	+1·7	83	
316	Qu'Appelle	50 30	103 47	645	937·9	1012·9	— 1·3	291·9	303·6	1st	278·0	265·8	28th	284·9	*284·3*	+0·8	27	
317	Minnedosa	50 15	99 50	515	952·6	1012·8	— 0·9	291·3	300·8	12th	279·1	269·7	25th	285·2	*284·9*	+1·1	30	
318	Bernes River	52 18	97 23	216	..	..	..	289·9	295·2	2nd, 5th	276·3	270·8	22nd	283·1	..	−2·1	20	
318*a*	Port Nelson	57 4	92 36	14·9	1009·3	1011·1	— 0·8	284·1	293·6	2nd	274·7	268·6	27th	279·4	..	−0·3	30	
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	
320	Moose Factory	51 14	80 30	9·1	1010·2	1011·3	— 4·2	287·4	295·2	20th	275·2	270·8	23, 24, 26	281·3	..	−2·7	58	
321	Fort George	53 50	79 5	97·5	..	..	..	283·6	291·3	1st	276·6	273·0	7, 27, 30	280·1	*280·0*	..	130	
322	Mistassini Post	50 15	73 55	383	..	..	..	285·9	294·1	3rd	276·4	269·1	27th	281·1	..	+0·8		
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	287·2	293·6	5th	276·8	271·3	16th	282·0	..	+0·4	78	
326	Belle Isle	51 53	55 23	133	993·7	1010·0	— 2·2	281·7	287·4	23rd	277·4	275·2	25th	279·5	*279·7*	−1·4	45	
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1014·7	1016·4	+ 0·8	288·7	294·1	10th	283·3	278·6	28th	286·0	286·3	−0·7	102	
335	Aberdeen	57 10	W 2 6	26·8	1007·3	1010·6	— 2·0	287·9	294·7	10th	280·5	274·7	20th	284·2	283·9	−0·4	67	
336	Greenwich	51 28	0 0	46·3	1011·3	1016·9	0·0	293·2	303·6	11th	281·7	272·4	29th	287·4	287·1	0·0	20	
337	Uccle	50 48	E 4 22	100	1004·7	1016·7	+ 0·3	294·9	305·5	12th	283·6	274·4	29th	289·3	288·1	+1·4	82	
338	De Bilt	52 6	5 11	3·0	1016·2	1016·6	+ 0·8	293·4	304·2	14th	282·6	274·5	30th	288·0	287·4	+0·4	40	
338*a*	Hamburg	53 33	9 58	26·0	1013·5	1016·6	+ 0·5	293·1	303·0	12th	284·1	278·2	30th	288·6	*288·0*	+0·9	44	
339	Copenhagen	55 41	12 36	5·0	1014·4	1015·0	— 0·3	289·6	297·0	11th	284·2	279·3	28th	286·9	*286·7*	+0·7	48	
340	Potsdam	52 23	13 4	84·9	1007·1	1017·3	+ 0·5	295·5	307·1	12th	283·4	274·6	30th	289·5	288·9	+2·9	21	
340*a*	Upsala	59 51	17 38	24	1006·8	1009·7	— 2·7	289·3	297·4	6th	280·4	272·2	29th	284·9	284·8	+1·3	73	
341	Warsaw	52 13	21 1	133	1002·6	1018·3	+ 1·4	294·7	303·7	12th	284·5	276·3	30th	289·6	289·6	+2·9	45	
342	Dorpat (Jurjev)	58 23	26 43	74·5	1004·9	1013·9	— 0·3	290·1	299·1	7th	281·1	274·2	30th	285·6	285·4	+1·8		
343	Petrograd	59 56	30 16	4·8	1011·5	1012·1	— 0·9	289·0	296·5	7th	282·0	277·0	16th	285·5	*285·5*	+1·8	54	
344	Kiev	50 27	30 30	183	997·6	1019·3	+ 2·1	296·7	302·3	15th	284·8	277·8	24th	290·8	*290·0*	+3·3	20	
344*a*	Moscow	55 50	37 33	167	997·1	1017·2	+ 1·2	292·0	298·5	3rd	280·9	272·9	17th	286·4	*286·2*	+2·3	43	
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
346	Kazan	55 47	49 8	79·9	1006·8	1016·5	+ 2·3	291·9	301·2	2nd	281·4	273·9	15th	286·6	*286·3*	+2·3	134	
347	Orenburg	51 45	55 6	109	1004·8	1018·0	+ 1·7	293·0	300·9	4th	280·6	273·6	9th	286·8	*286·4*	+0·6	25	
348	Perm	58 1	56 16	159	994·2	1013·4	0·0	..	295·6	2nd	279·7	272·1	16th	..	*283·1*	+1·0	59	
349	Ekaterinburg	56 50	60 38	281	979·0	1012·8	— 1·9	286·8	297·2	3rd	278·2	273·0	16th, 22nd	282·5	*282·3*	+0·5	52	
350	Tobolsk	58 12	68 14	?108	..	..	..	..	..	..	..	..	..	..	..	..	..	
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	
354	Tomsk	56 30	84 58	122	..	..	..	..	..	..	..	..	..	..	..	..	..	
355	Minousinsk	53 43	91 41	249	..	..	..	..	..	..	..	..	..	..	..	..	..	
356	Eniseisk	58 27	92 10	77·6	1004·0	1013·5	— 3·6	..	291·8	14th	277·4	269·8	26th	..	*281·1*	−0·1	40	
357	Irkutsk	52 16	104 19	467	961·1	1016·9	— 1·8	..	293·6	10th	275·2	269·0	30th	..	*281·0*	−0·6	90	
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	
359	Tchita	52 2	113 30	681	..	..	..	..	..	..	..	..	..	..	..	..	..	
360	Nertchinskii Zavod	51 19	119 37	626	933·9	1013·2	— 2·0	..	294·6	6th	275·6	269·9	27th	..	*282·6*	+1·3	40	
361	Tygan Ourkan	54 5	124 46	379	968·0	1013·4	..	289·2	295·4	24th	274·5	267·1	29th	281·8	*281·1*	..	104	
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	995·6	1012·6	+ 0·6	292·6	300·5	25th	280·8	273·7	15th	286·7	*286·4*	+1·4	71	
363	Paikanskii Sklad	50 11	130 7	145	..	..	..	..	..	..	..	..	..	..	..	..	..	
364																		
365	Nikolaevsk–sur–Amour	53 8	140 45	21·2	1011·2	1013·8	+ 3·0	..	295·8	4th	279·3	270·3	28th	..	*284·1*	+0·2	117	
366	Okhotsk	59 21	143 12	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1009·8	1011·4	+ 1·8	287·8	293·9	4th	279·9	274·7	29th	283·9	*283·3*	..	110	
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

SEPTEMBER—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
421	Victoria, B.C.	48 24	123 19	70·1	1007·1	1015·6	— 0·9	291·3	300·2	14th	283·0	278·6	29th	287·2	285·9	+1·4	34	— 17
422	Portland, Oregon	45 32	122 41	46·6	1009·4	1014·5	— 2·0	294·9	302·4	23rd	285·0	279·7	29th	289·9	*289·6*	+0·7	81	+ 36
423																		
424	Macleod	49 44	113 24	953	..	..	..	292·3	304·7	1st	279·2	271·9	27th, 29th	285·7	*285·5*	+0·9	57	+ 24
425	Helena	46 34	112 4	1253	873·9	1014·5	— 0·6	293·4	304·7	11th	280·4	270·8	28th	286·9	*286·9*	+0·6	14	— 18
426	Salt Lake City	40 46	111 54	1329	866·2	1011·8	— 2·0	298·2	305·2	11th	286·5	281·3	23rd	292·3	*292·5*	+1·1	45	+ 22
427	Cheyenne	41 8	104 48	1856	814·9	1013·9	— 0·1	294·6	300·2	1st	281·4	273·0	21st	288·0	*288·4*	+1·4	45	+ 17
428	North Platte	41 8	100 45	859	917·4	1015·2	+ 0·1	299·9	309·1	5th	285·9	275·2	23rd	292·9	*292·4*	+2·1	40	+ 3
429	Bismarck	46 47	100 38	511	955·1	1015·2	+ 0·1	295·9	306·9	6th	282·4	274·1	25th	289·1	*289·3*	+2·3	9	— 24
430	Winnipeg	49 53	97 7	232	986·1	1013·7	— 1·1	291·9	299·7	1st	280·8	269·7	28th	286·3	*285·8*	+1·4	82	+ 24
431	Duluth	46 47	92 6	345	973·7	1014·9	— 0·5	290·7	298·0	19th	281·8	275·2	25th	286·2	*285·8*	0·0	36	— 59
419	Port Arthur	48 27	89 12	196	990·8	1014·3	— 1·6	289·7	295·8	2nd	279·7	272·4	26th, 30th	284·7	*284·4*	+0·1	76	— 7
420	Chicago	41 53	87 37	251	987·1	1016·6	— 0·8	297·4	306·9	8th	289·6	284·1	26th	293·5	*293·4*	+2·2	98	+ 21
421	Toronto	43 40	79 24	116	1002·0	1015·9	— 2·0	296·3	308·0	8th	284·7	276·9	18th, 26th	290·5	289·6	+2·4	49	— 32
422	New York (Central Park)	40 46	73 58	30·2	1012·7	1016·2	— 2·5	297·0	306·9	7th	288·6	282·4	27th	292·8	292·3	−0·1	124	+ 34
423	St. John, N.B.	45 17	66 4	36·2	1011·4	1015·8	— 1·7	289·7	296·9	2nd	282·4	276·9	16th	286·1	285·7	−0·2	122	+ 27
424	S.W. Point, Anticosti	49 24	63 33	9·1	1011·5	1012·6	— 1·4	284·7	289·1	3rd	279·7	274·1	16th	282·2	*282·4*	−0·1	103	+ 33
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1017·4	1018·3	+ 0·5	290·2	293·6	3rd	286·3	283·0	30th	288·3	*287·9*	0·0	82	— 4
425	Port aux Basques	47 35	59 10	9·1	1013·9	1015·0	— 0·5	287·4	291·9	1st, 2nd	281·3	275·2	28th	284·4	*284·3*	+0·1	155	+ 43
426	St. John's, Newfoundland	47 34	52 42	38·1	1011·4	1016·0	+ 2·1	290·2	296·3	13, 22, 23	281·3	274·1	10th	285·8	*285·1*	+0·8	119	+ 27
427	Madrid	40 24	3 41	655	940·8	1015·2	— 1·6	300·3	308·2	7th	285·5	279·5	21st	292·9	292·1	+0·1	65	+ 29
428	Nantes	47 15	W 1 34	36·5	1012·2	1016·5	— 0·7	296·2	306·0	10th	283·7	276·8	30th	290·0	289·3	+0·5	41	— 6
429	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·8	1017·9	+ 0·4	294·8	305·7	11th	283·3	275·5	30th	289·0	288·6	+0·9	28	— 25
429*a*	Marseilles	43 18	5 23	75	..	1016·1	— 0·1	298·7	303·3	11th	287·7	281·9	21st	293·2	*293·7*	+1·8	115	+ 91
429*b*	Zürich	47 23	8 33	493	960·9	1018·3	— 0·5	296·3	303·5	12th	284·3	277·3	21st	290·3	289·3	+2·0	39	— 66
429*c*	Rome	41 54	12 27	45	1011·5	1016·8	+ 0·1	300·6	304·2	10th	290·0	283·8	23rd	295·3	*295·2*	+1·3	54	— 17
429*d*	Vienna	48 15	16 22	203	993·5	1017·5	+ 0·9	299·2	303·6	15th	285·1	280·1	22nd	292·1	*291·4*	+2·5	25	— 30
429*e*	Buda-Pesth	47 31	19 2	130	1003·0	1018·4	+ 0·9	298·6	301·5	16th	284·5	278·1	24th	291·5	*291·0*	+2·0	7	— 48
429*f*	Sofia	42 42	23 20	550	955·2	1018·7	+ 1·9	300·2	303·0	16th	285·7	278·6	25th	292·9	292·5	+2·2	4	— 39
429*g*	Bucharest	44 25	26 5	82	1008·7	1018·4	+ 0·9											
430	Odessa (University)	46 26	30 46	42·8	1013·0	1018·1	+ 0·4	297·4	303·0	16th	288·0	282·0	25th	292·7	*292·4*	+2·5	4	— 28
430*a*	Kharkov (University)	50 0	36 14	140	1002·6	1019·3	+ 1·3	297·0	301·6	6th, 15th	282·8	275·9	17th	289·9	*289·3*	+3·0	44	+ 12
430*b*	Novorossiisk	44 44	37 49	37·1	1011·6	1015·9	— 0·5	299·0	303·4	16th	288·9	284·0	13th, 14th	294·0	*293·8*	+1·9	5	— 50
430*c*	Tiflis	41 43	44 48	404	970·4	1017·0	+ 0·3	299·8	303·4	22nd	287·8	283·0	16th	293·8	*293·5*	+1·0	29	— 21
430*d*	Astrakhan	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	
430*e*	Fort Alexandrovsk	41 20	69 18	478	961·0	1016·4	+ 1·7	300·0	307·8	13th	283·1	277·8	10th	291·6	*290·7*	−1·4	0	— 4
430*f*	Krasnovodsk	40 0	52 59	?2015	797·2	..	..	..	298·2	1st	276·7	271·6	11th	..	*284·0*	−1·3	21	
430*g*		43 16	76 53	841	..	..	..	293·7	302·6	14th	281·4	274·2	24th	287·6	*287·3*	..	27	
431	Aralskoe More																	
431*a*	Tachkent																	
431*b*	Narynskoe																	
431*c*	Vernyi																	
431*d*	Mukden	41 48	123 23	43·8	1009·3	1014·5	+ 0·8	297·7	302·3	1st	284·2	277·7	16th	290·9	290·1	+0·6	44	— 47
431*e*	Joshin	40 40	129 11	4·0	1013·6	1014·1	+ 0·5	295·8	304·5	4th	286·4	283·4	17th	291·1	290·9	+0·3	264	+144
431*f*	Fuki	42 20	130 24	65·6	1006·4	1014·3	0·0	293·1	297·4	1st	285·9	281·0	15th	289·5	289·1	−0·5	199	+ 87
431*g*	Vladivostok	43 7	131 55	128	999·0	1014·3	— 0·2	290·7	298·5	15th	281·0	274·5	21st	285·9	285·8	+0·5	193	+ 79
431*h*	Ochiai	47 20	142 46	6·6	1012·1	1012·9	— 0·2	291·9	296·6	5th	286·1	282·8	25th	289·0	288·9	+0·8	172	+ 32
431*i*	Nemuro	43 20	145 35	26·7	1010·5	1013·7	— 0·4	291·0	299·7	17th	284·5	277·3	29th	287·7	287·6	+1·5	75	— 11
431*k*	Syana	45 14	147 53	39·3	1009·2	1013·9												
		N.	E.															

Between Latitude 40° N. and 30° N.

SEPTEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1006·8	1012·5	— 1·7	293·7	306·9	19th	285·6	284·1	24th	289·7	*288·7*	+0·5	10	0
512	San Luis Obispo	35 18	120 39	61·3	1005·0	1012·5	— 1·5	297·9	310·2	23rd	284·1	281·9	15th	291·0	*289·3*	−0·3	11	+ 4
513	San Diego	32 43	117 10	26·5	1007·7	1010·8	— 1·5	295·1	299·1	24th	289·2	286·9	7th	292·2	*291·8*	−0·6	7	+ 5
514	Modena	37 48	113 54	1670	833·2	1011·5	— 1·4	296·8	301·9	12th	281·6	273·0	23rd	289·2	*289·2*	+0·8	84	+ 58
515	Santa Fé	35 41	105 57	2138	789·8	1012·2	— 0·9	294·9	301·9	1st	283·7	275·8	23rd	289·3	*289·0*	+0·1	64	+ 25
516	Denver	39 45	105 0	1613	838·8	1014·2	0·0	297·4	303·0	4th	284·6	275·2	22nd	291·0	*290·7*	+0·6	26	0
517	Abilene	32 23	99 40	530	954·1	1014·2	— 0·4	302·4	309·1	11th	291·7	285·8	22nd	297·1	*296·1*	−0·3	44	— 24
518	Saint Louis	38 38	90 12	173	996·4	1016·6	— 0·6	301·3	308·6	10th	290·9	283·0	26th	296·1	*296·1*	+2·0	156	+ 75
519	Mobile	30 41	88 2	17·4	1013·5	1015·6	— 0·2	303·4	307·4	11th	294·3	289·7	29th	298·9	*298·1*	+0·3	28	—108
520	Nashville	36 10	86 47	166	998·6	1018·3	+ 0·5	302·0	306·3	10th	289·4	284·1	24th	295·7	*295·7*	+0·8	34	— 55
521	Charleston	32 47	79 56	14·6	1015·3	1016·9	— 0·6	301·1	305·2	23rd	294·1	288·6	29th	297·6	*297·7*	0·0	45	— 84
522	Washington	38 54	77 3	34·1	1013·5	1017·6	— 1·2	299·4	307·4	8th	288·2	280·8	28th	293·8	*293·0*	−0·1	45	— 41
523	Bermuda	32 17	64 46	46·0	1010·5	1015·8	— 1·6	301·3	302·4	26, 28, 30	295·2	294·1	16, 27, 28	298·3	*298·1*	−0·8	145	+ 13
524	Santa Cruz (Flores)	39 27	31 9	28	1022·4	1025·5	+ 3·2	297·2	300·8	11th	290·7	287·6	6th	293·9	*293·9*	−0·1	29	— 73
525	Horta	38 32	28 38	65	1016·8	1024·2	+ 2·5	297·1	299·7	10th, 25th	291·8	290·1	7th	294·5	294·0	−0·1	12	— 64
526	Ponta Delgada	37 44	25 40	22	1020·2	1022·0	+ 1·0	295·5	296·8	3rd	291·4	289·3	22nd	293·5	293·3	−0·5	..	..
527	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	111	+ 13
528	Madeira (Funchal)	32 37	16 54	25	1012·8	1015·7	— 3·4	301·7	303·6	18th	295·0	294·0	6th	298·3	*299·3*	+3·2	196	+167
529	Lisbon	38 43	9 9	95	1004·9	1016·1	— 1·1	298·5	310·2	9th	290·9	291·8	20th	294·7	*294·2*	+1·1	4	— 33
529*a*	Gibraltar	36 6	5 21	16·2	1014·0	1015·9	— 1·6	298·5	303·6	1st	291·4	286·4	29th	294·9	*294·8*	−0·6	66	+ 31
529*b*	Melilla	35 18	2 59	8	‡1013·6	‡1014·5	— 5·2	301·2	305·8	1st	290·3	286·0	26th	295·8	*297·2*	−2·8	122	+111
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

SEPTEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1012·7	1015·4	— 2·2	301·2	304·6	10th	291·1	286·0	22nd	296·1	..	0·0	89	+ 9
538	Algiers (Bouzaréah)	36 48	3 2	343	976·0	1015·2	— 1·2	299·1	304·0	30th	291·3	285·6	21st	295·2	294·4	+0·3	37	+ 1
539	Tunis	36 48	10 10	21	1014·4	1016·8	..	302·4	309·2	30th	292·6	287·9	9th	297·5	*296·6*	+0·2	3	— 30
539a	Malta	35 54	14 31	56·4	..	1015·7	— 1·4	300·8	304·0	16th	294·5	291·6	25th	297·6	*296·9*	+0·2	11	— 7
540	Riposto	37 41	15 14	14·2	..	1019·1	+ 1·3	299·1	301·4	1st	293·7	292·2	6, 7, 10	296·4	*295·2*	—1·2	11	— 4
541	Athens	37 58	23 43	107	1002·9	1015·4	+ 0·6	300·6	302·2	6th	292·5	290·4	25th	296·6	296·3	+0·1	0	— 7
542	Alexandria	31 12	29 53	32·0	1009·9	1013·6	— 0·1	303·2	307·5	21st	294·9	291·8	28th, 29th	299·1	*298·3*	+0·4	0	— 7
543	Cairo (Helwan)	29 52	31 20	116	999·1	1012·4	+ 0·2	305·5	309·6	24th	293·1	291·3	30th	299·3	298·9	+0·4	0	— 7
544	Nicosia (P.W.D.)	35 9	33 22	159	..	1010·9	+ 0·2	305·1	309·7	6th	290·5	287·4	27th	297·8	..	—0·8	0	— 7
544a	Beirut	33 54	35 28	33·7	..	1014·8	+ 3·6	302·2	303·6	13th	295·8	294·1	19th	299·0	*298·7*	—0·2	0	— 7
545	Baghdad	33 21	44 28	38·1	..	1008·0	+ 0·8	312·7	316·6	11th	297·3	294·1	14th	305·0	*303·9*	+1·2	0	— 7
546	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546a	Lenkoran	38 46	48 52	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	304·1	307·7	1, 12, 13	290·9	288·0	16th	297·5	*297·3*	—0·5	2	— 7
548	Meshed	36 16	59 35	946	..	..	..	..	..	..	..	..	..	..	..	..	..	..
549	Seistan	31 0	61 30	?	..	..	..	306·2	310·8	13th	291·8	287·6	18th	299·0	..	..	0	— 7
550	Quetta	30 11	67 3	1677	832·4	..	..	302·9	307·2	1st	282·2	276·6	29th	292·5	*292·3*	—0·2	0	— 7
551	Peshawar	34 2	71 37	339	968·6	1006·8	+ 0·5	308·4	311·2	17th	294·3	289·6	30th	301·3	*300·7*	0·0	10	— 4
551a	Lahore	31 34	74 20	214	981·5	1005·4	+ 0·3	308·9	310·9	21st	296·6	292·1	30th	302·8	*302·4*	+0·4	11	— 3
552	Simla	31 7	77 8	2205	781·2	..	+ 0·4	291·2	292·5	6th, 28th	286·3	284·1	25th	288·8	*288·6*	+0·1	57	+ 43
552a	Leh	34 10	77 42	3503	667·2	..	+ 0·5	291·9	296·5	4th, 15th	278·1	273·6	30th	285·0	*283·8*	—0·6	12	— 2
559	Hankow	30 35	114 17	37·0	1009·7	1014·0	— 0·2	300·6	309·2	8th	293·2	289·6	16th	296·9	*296·6*	—0·3	91	— 1
560	Tientsin	39 10	117 10	5·0	1014·7	1015·3	+ 0·6	299·6	305·5	4th	289·7	285·4	15th	294·7	*294·4*	—0·4	11	— 7
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1012·1	+ 0·5	301·5	308·8	8th	290·6	283·7	19th	296·0	295·3	+0·4	35	— 7
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1005·3	1013·3	— 0·1	301·5	308·8	8th	290·6	283·7	19th	296·0	295·3	—0·5	56	— 2
562a	Nagasaki	32 44	129 52	133	995·7	1011·1	+ 0·6	298·0	301·9	2nd	289·4	285·6	17th	293·7	293·2	—0·1	59	— 1
563	Kioto	35 1	135 44	42·9	1006·7	1011·7	— 0·3	299·0	304·9	1st	292·1	289·0	17th	295·5	295·1	—1·3	190	+ 87
564	Tokio	35 41	139 45	21·3	1009·4	1011·9	— 0·1	301·0	308·1	3rd	290·3	283·4	28th	295·6	294·7	—0·4	221	+ 118
565	Kanayama	37 53	140 46	24·6	1009·8	1012·7	— 1·3	299·8	305·6	2nd	292·3	283·9	28th	296·1	295·7	+0·8	248	+ 145
566	Miyako	39 38	141 59	30·4	1009·3	1012·9	— 0·5	297·4	305·9	6th	289·3	282·2	29th	293·3	292·6	+1·3	192	+ 89
		N.	E.														204	+ 101

SEPTEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1016·6	+ 0·5	300·8	303·6	4th	293·8	288·0	29th	297·3	..	..	138	— 1
605	Honolulu	21 19	157 52	11·6	1013·8	1015·1	— 0·6	301·3	302·4	..	295·8	294·1	..	298·6	*298·4*	+0·1	30	— 7
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	860·0	1010·8	..	297·9	301·0	18th	288·3	280·7	24th	293·1	*293·2*	..	128	+ 85
616	Leon	21 7	101 41	1809	820·9	1007·5	— 0·7	298·6	300·9	17th	287·5	284·1	4th	293·0	*292·5*	+0·2	55	+ 12
616a	Monterry	25 40	100 18	528	952·4	1010·8	..	303·4	308·3	1st	292·8	284·3	24th	298·1	*297·8*	..	231	+ 188
617	Tulancingo	20 5	98 22	2180	791·7	..	..	..	297·0	..	..	282·0	..	..	288·8	—0·5	57	+ 14
618	Galveston	29 18	94 50	16·5	1012·5	1014·5	— 0·6	302·1	305·8	10th	297·3	293·0	4th	299·7	*299·8*	+0·5	134	+ 91
618a	New Orleans	29 57	90 4	16·2	..	1014·9	— 0·2	303·3	307·4	11th	296·2	293·6	26th	299·8	*299·3*	+0·7	74	+ 31
619	Merida, Yuc.	20 58	89 38	22	1008·7	1011·1	..	304·6	305·6	21st, 27th	296·6	294·8	8th	300·6	*300·1*	..	162	+ 119
620	Havana	23 8	82 21	24·3	..	1012·7	— 0·9	302·9	304·4	1st	297·0	294·5	14th	299·9	*299·7*	+0·1	175	+ 132
620a	Key West	24 33	81 48	6·7	1011·5	1012·2	— 1·8	303·6	305·2	25th	298·4	295·8	10th	301·0	*300·6*	—0·5	362	+ 319
621	Nassau, Bahamas	25 5	77 21	3·7	..	1011·2	— 3·0	303·3	305·2	4th	298·1	295·2	10th	300·7	*300·9*	0·0	197	+ 154
622	Watling Island	24 6	74 26	33·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
633	Izaña	28 19	16 30	2367	770·9	..	..	290·6	298·0	2nd	282·9	273·4	30th	286·7	*285·9*	..	63	+ 20
634	La Laguna	28 28	W16 20	547	952·1	1014·4	— 2·1	298·0	301·9	5th	289·1	286·1	4th	293·5	*292·9*	—0·2	33	— 10
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	288·5	285·1	12th	..	*299·7*	..	0	— 43
641	Siwa	29 12	25 29	— 23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	997·5	1008·7	+ 0·2	312·7	318·1	13th	297·5	293·8	8th	305·1	*304·4*	+1·0	..	..
644	Tor	28 14	33 37	1·9	1008·7	1008·9	+ 0·4	304·2	308·0	20th	296·3	290·9	30th	300·3	*299·9*	+0·4	..	..
647	Bushire	28 59	50 53	4·3	1005·6	1006·2	+ 0·3	306·9	309·1	1st	299·4	296·1	27th	303·2	*302·7*	—0·2	0	— 7
648	Jask	25 44	57 47	4·0	1006·3	1006·8	+ 0·6	307·1	313·6	6th	298·9	297·0	10th	303·0	*302·5*	—0·6	0	— 7
649	Robat	29 45	60 55	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
649a	Karachi	24 53	66 57	4·0	1007·3	1007·8	+ 1·1	302·0	305·2	30th	297·0	295·2	28th	299·5	*299·0*	—0·6	0	— 7
650	Jacobabad	28 17	68 29	56·7	998·9	1005·3	+ 0·9	313·0	315·8	25th, 28th	297·6	292·3	29th	305·3	*304·7*	+0·1	62	+ 19
651	Jaipur	26 56	75 52	436	959·6	1007·8	+ 1·2	306·2	310·5	19, 29, 30	295·3	293·1	12th	300·7	*299·9*	—1·1	64	+ 21
652	Nagpur	21 8	79 5	310	974·1	1008·6	+ 2·3	305·3	308·1	24th	296·2	294·3	28th	300·7	*300·0*	+0·3	148	+ 105
653	Allahabad	25 25	81 51	94·1	996·6	1007·2	+ 1·9	306·1	309·3	27th	297·9	296·6	27th	302·0	*301·3*	0·0	616	+ 573
653a	Darjiling	27 3	88 18	2266	776·2	..	0·0	291·4	293·7	1st	286·3	284·6	28th	288·8	*288·6*	+0·1	60	+ 17
654	Calcutta	22 36	88 23	6·4	1006·6	1007·3	+ 1·6	304·4	306·7	22nd	298·7	297·1	7th	301·6	*301·4*	+0·3	..	..
655	Gauhati	26 8	91 41	59·7	1002·0	1008·6	+ 1·7	304·3	307·4	1st	297·3	295·1	26th	300·8	*299·9*	—0·7	265	+ 222
655m	Cherrapunji	25 15	91 42	1314	867·3	..	+ 0·6	294·6	297·6	14th	290·0	287·5	26th	292·3	*291·7*	—1·4	1572	+ 1529
655a	Akyab	20 11	92 56	6·1	1008·5	1009·1	+ 1·5	303·1	305·3	22nd	297·2	295·0	9th	300·1	*300·0*	—0·7	375	+ 332
656	Mandalay	21 59	96 0	76·2	1001·4	1010·0	+ 1·9	307·5	310·7	27th	298·1	296·2	28th	302·8	*302·0*	+0·4	116	+ 73
656a	Tengyueh	24 59	98 35	1633	833·8	..	..	294·7	298·0	3rd, 13th	288·3	286·0	17th, 20th	291·5	*290·8*	..	180	+ 137
657	Phu Lien	20 48	106 37	116	996·5	1009·8	+ 2·2	304·0	307·3	8th	297·1	294·9	17th	300·6	*299·8*	0·0	80	+ 37
658	Moncay	21 31	107 51	9·0	1009·2	1010·2	+ 2·8	303·3	305·4	8th, 10th	295·7	290·5	17th	299·5	*299·7*	—1·1	243	+ 200
659	Hong Kong	22 18	114 10	33·2	..	1010·6	+ 2·2	302·3	304·1	7th, 11th	297·9	295·6	16th	300·1	*299·7*	—0·2	67	+ 24
660	Amoy	24 27	118 4	ca.3	1011·0	1011·3	+ 1·6	303·2	305·2	sev. dates	297·2	294·1	23rd	300·2	*299·9*	—0·9	106	+ 63
661	Taihoku, Formosa	25 2	121 31	9·3	1010·1	1011·1	+ 1·7	303·3	307·5	9th	293·9	287·8	19th, 21st	298·6	298·0	—1·2	101	+ 58
661a	Basco (Santo Domingo)	20 28	121 59	18·7	..	1008·3	+ 2·0	303·5	305·6	29th	296·7	293·0	22nd	300·1	*300·1*	—0·5	48	+ 5
662	Naha	26 13	127 41	10·5	1009·5	1010·7	+ 1·7	302·3	304·9	6th	294·8	290·0	19th	298·6	298·5	—1·2	41	— 2
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1009·3	1009·7	— 2·1	302·9	305·1	2nd	296·6	294·4	28th	299·7	299·4	—0·4	346	+ 303
		N. ,	E. ,	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 103.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

SEPTEMBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	954·3	1009·1	..	302·4	304·8	16th	296·2	292·9	23rd	299·3	*298·2*	..	135	..
716	Morelia	19 42	101 7	1923	808·4	1005·8	..	293·8	295·0	19th	..	..	..	..	*290·8*	..	170	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·3	1009·6	— 0·7	295·6	298·9	15th	284·0	279·9	13th	289·8	288·4	—0·1	124	+ 20
718	Salina Cruz	16 12	95 12	56	1003·4	1009·9	..	302·9	306·9	9th	296·9	295·2	17th	299·9	*299·5*	..	171	..
719	San Salvador	13 42	89 13	‡665	935·3	1009·7	— 1·0	304·8	308·8	9th	291·6	289·4	6th, 7th	298·2	*295·8*	—0·3	274	— 10
720	Belize	17 29	88 12	5·2	1009·8	1010·3	+ 0·1	303·6	305·8	12th	296·7	294·7	1st	300·2	*299·7*	—0·7	243	+ 8
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1011·2	— 0·8	303·9	306·1	5th	296·2	294·5	3rd	300·1	*300·1*	+0·2	49	—142
722	Port au Prince	18 34	72 22	37·4	1008·3	1012·6	— 0·3	305·9	307·9	3rd	296·2	294·6	25th	301·1	*299·9*	+0·2	133	— 68
723	Caracas	10 30	66 55	1042	899·0	1014·5	+ 0·3	299·4	302·2	6th	288·5	286·8	11th	293·9	*292·7*	—0·8	108	+ 15
724	Montserrat	16 41	62 9	39·6	1009·1	1013·6	— 0·1	305·9	308·6	8th	294·9	292·4	23rd, 26th	300·4	*299·7*	..	116	..
725	Grenada (Richmond Hill)	12 5	61 46	155	993·4	1011·2	— 0·6	302·5	304·1	2nd, 10th	296·9	295·2	16, 21, 23	299·7	*299·1*	—0·1	281	+ 76
726	Barbados	13 8	59 36	55·2	..	1012·6	— 0·3	302·8	303·7	10th	296·2	294·7	26th, 28th	299·5	*299·6*	+0·1	141	— 46
727	St. Vincent, C. Verde Is.	16 54	25 4	11	1015·2	1016·5	+ 3·4	297·0	298·9	9th	292·0	290·4	22nd, 29th	294·5	*294·5*	—4·6	111	+ 60
728	San Tiago, C. Verde Is.	14 54	23 31	?40	..	..	..	302·1	303·7	5th	298·3	297·1	9th	300·2	*300·0*	+0·3	149	+ 41
729	Bathurst	13 27	16 36	1·8	1012·9	1013·1	+ 0·7	303·9	308·0	28th	..	..	..	..	*300·5*	—0·7	248	— 8
730	M'Carthy Island	13 33	14 45	1·1	..	..	..	305·9	310·8	30th	296·0	294·1	11, 16, 17	300·9	..	+1·0	321	+134
731	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
732	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
733	Sokoto	13 2	E 5 14	353	..	..	..	303·9	306·9	1st	294·1	291·9	17th, 18th	299·0	*298·2*	—1·3	205	+ 98
734	Kaduna Capital	10 32	7 25	637	944·3	1015·9	+ 1·1	301·8	307·4	29th	292·3	290·8	16th	297·1	*296·4*	0·0	294	+ 2
735	Hadejia	12 40	10 5	?	..	..	..	306·6	310·8	26th	295·3	293·0	9th	300·9	*300·1*	0·0	97	..
736	Maiduguri	11 47	13 11	361	..	..	..	307·4	311·3	12th	295·4	293·6	5, 6, 22	301·4	*300·7*	+0·4	72	— 41
737	El Fasher	13 32	25 18	730	..	..	..	308·8	312·0	24th	294·1	291·5	18th	301·4	..	..	35	..
738	El Obeid																	
739	Khartoum	13 11	30 14	569	..	..	..	308·3	310·5	29th	295·5	292·5	5th	301·9	*300·9*	+1·2	63	— 24
740	Port Sudan	15 37	32 33	390	964·4	1007·4	— 0·1	313·0	316·4	22nd	298·6	295·4	9, 12, 16	305·8	*305·2*	+0·2	7	— 11
741	Berbera, Somaliland	10 22	45 2	9·5	1008·1	1009·1	+ 1·4	309·8	316·9	6th, 7th	300·7	295·8	30th	305·3	*305·3*	—0·7	0	— 1
742	Aden	12 45	45 3	28·7	1004·7	1007·9	— 0·1	305·5	307·8	2, 8, 10	300·6	298·6	28th	303·0	*302·6*	—1·1	11	+ 8
743	Bombay	18 54	72 49	11·3	1008·1	1009·4	— 0·1	303·2	304·8	23rd	298·4	297·6	3rd	300·8	*300·1*	+0·8	204	— 65
744	Cochin	10 58	76 21	2·7	1010·6	1010·9	— 0·4	302·8	305·1	12th	296·8	295·3	27th	299·8	*299·2*	+0·3	238	+ 18
745	Kodaikanal	10 14	77 28	2343	770·6	..	+ 0·2	290·7	292·2	28th	284·2	282·5	2nd	287·4	*287·4*	+0·2	297	+126
746	Bangalore	12 59	77 38	920	909·6	1010·0	+ 0·3	301·6	304·3	9th	292·1	290·7	9th	296·8	*295·8*	+0·7	240	+ 63
747	Madras	13 4	80 14	6·7	1008·5	1009·2	+ 0·9	306·3	310·1	2nd, 3rd	297·9	295·8	16th	302·1	*301·5*	—0·3	172	+ 40
748	Vizagapatam	17 42	83 19	11·6	1006·9	1008·2	+ 2·3	304·3	307·2	3rd	299·6	297·7	11th	301·9	*301·3*	+0·5	107	— 75
749	Port Blair	11 40	92 40	17·7	1008·4	1010·4	+ 1·0	303·0	304·8	21st	298·4	297·2	14th	300·7	*300·1*	+0·6	171	—296
750	Rangoon	16 46	95 48	5·5	1010·0	1010·7	+ 1·7	303·9	307·3	21st	297·3	295·2	7th	300·6	*299·7*	+0·5	222	—166
751	Saigon	10 47	106 42	11·2	1008·0	1009·2	+ 1·3	304·4	306·6	7th, 8th	296·8	295·2	2nd	300·6	*300·1*	+0·2	409	+ 55
752	Nhatrang	12 15	109 12	3·6	1008·1	1008·5	+ 1·8	304·6	308·3	8th	296·6	295·3	10th	300·6	*300·1*	—0·6	177	— 2
753	Bolinao	16 24	119 53	7·1	..	1006·6	+ 0·5	305·0	306·5	27th	297·2	295·4	25th	301·1	*300·1*	+0·3	251	—301
754	Vigan	17 34	120 23	12·2	..	1008·0	+ 1·1	305·4	306·8	18th, 29th	296·9	293·2	12th	301·1	300·7	+0·8	77	—442
755	Manila	14 35	120 59	14·2	..	1008·8	+ 1·2	304·1	305·9	21st	296·2	293·8	24th	300·1	299·5	—0·3	176	—190
756	Omoc	11 0	124 36	5·6	..	1007·9	+ 0·6	305·2	307·2	4th, 5th	296·0	294·5	28th	300·6	*299·6*	0·0	308	+ 36
757	Guam, Ladrone Is.	13 24	144 38	20·4	..	1006·4	— 0·8	303·6	?305·0	3rd, 16th	297·1	295·2	12th	300·3	*299·8*	—0·3	491	+ 91
		N.	E.															

SEPTEMBER—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
760	Fanning Island	3 55	159 23	3·1	..	..	..	305·3	306·9	6th	297·5	295·8	25th, 30th	301·4	*300·9*	+1·1	70	— 7
761	Colon	9 23	79 23	11·0	..	1010·1	— 0·2	303·1	305·2	12th	297·0	295·8	4th	300·0	*299·6*	+0·5	298	— 24
762	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	100	+ 41
763	Merida, Venez.	8 36	71 9	1641	‡840·9	..	..	297·6	300·5	4th	288·7	287·5	21st	293·1	*291·8*	..	177	..
764	El Peru, Guayanavieja	7 19	61 49	220	?984·9	?1009·9	— 0·5	..	..	..	..	..	..	..	‡*298·7*	+1·2	43	— 72
765	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1012·8	+ 0·4	303·9	304·7	14th	297·4	295·8	21st	300·7	*300·4*	+0·3	39	— 41
766	Paramaribo	5 49	55 9	3·7	1013·3	1013·7	+ 0·8	305·1	307·0	16th	296·1	294·7	23rd	300·6	*299·6*	—0·8	60	+ 99
767	Cayenne	4 56	52 21	6	..	..	..	304·3	305·6	3rd, 6th	296·2	295·2	4th, 25th	300·3	*299·6*	—0·8	20	— 11
768	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
769	Freetown, Sierra Leone	8 29	13 9	68·3	1005·7	1013·6	+ 1·0	301·9	305·2	2nd, 13th	..	..	..	..	‡*298·5*	—1·0	529	—198
770	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	3	— 24
771	Accra	5 33	W 0 12	25·7	..	..	..	301·8	..	..	..	..	..	..	..	..	11	— 14
772	Lagos	6 27	E 3 24	4·6	1013·7	1014·2	..	300·2	303·3	..	295·9	294·3	..	298·1	*297·7*	—0·5	70	— 60
773	Zungeru	9 48	6 10	130	..	..	..	303·8	306·3	30th	294·2	293·0	sev. dates	299·0	*298·4*	+0·1	297	+ 35
774	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
775	Yola	9 12	12 30	259	..	..	..	304·1	306·9	11th	..	..	..	..	‡*298·7*	0·0	294	+108
776	Wau	7 42	28 3	440	960·1	1009·6	— 0·3	305·8	309·0	20th	294·0	292·5	16th, 22nd	299·9	*298·2*	0·0	193	+ 31
777	Malakal (Kodok)	9 35	31 37	394	965·9	1010·3	0·0	305·7	308·0	25th	294·7	293·1	4th	300·2	*298·6*	..	135	+ 11
778	Mongalla	5 11	31 47	439	959·9	1009·6	— 0·4	305·8	307·5	13th	..	..	..	..	‡*296·4*	..	109	— 15
779	Entebbe	0 5	32 29	1171	883·9	..	— 0·2	299·2	301·7	20th	289·7	288·0	9th	294·4	*293·3*	0·0	78	0
780	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
781	Mimicoy	8 17	72 49	2·1	1011·4	1011·6	— 0·2	..	..	..	..	..	..	..	..	..	197	+ 41
782	Colombo Observatory	6 54	79 53	7·3	1009·4	1010·2	+ 0·4	302·4	303·5	19th	296·7	295·0	13th	299·6	*299·0*	—0·6	425	+276
783	Kuwara Eliya	6 59	80 47	1886	..	..	..	292·8	296·2	12th	284·4	280·1	3rd	288·6	*287·9*	+0·5	295	+ 85

SEPTEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	*300·7*	—0·4	mm. 71	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..				
924	Manaos	3 8	60 1	43·8	..	..	..	305·8	308·6	30th	297·0	295·6	17th	301·4	*300·2*	—1·0	98	+ 5
926	Taperinha	2 30	54 20	20·0	1009·0	1011·3	— 0·3	304·3	306·4	11th	295·5	294·5	11th	299·9	*298·5*	—0·4	50	— 3
927	Turyassu	1 43	45 26	15·1	1009·7	1011·4	— 0·7	306·7	308·8	30th	296·2	294·9	3rd	301·4	*299·9*	+0·4	11	— 5
928	Barra do Corda	5 30	45 16	81·0	1000·3	1009·5	— 1·2	308·9	310·0	16th	294·1	287·8	6th	301·5	*301·0*	+1·2	0	— 7
929	Quixeramobim	5 16	39 15	207	989·4	1012·7	— 0·3	305·4	306·4	14th	297·3	296·4	9th	301·4	*300·6*	—0·1	2	— 5
930	Fernando Noronha	3 50	W32 25	106	1002·2	1014·4	0·0	299·6	300·3	5th, 6th	296·1	293·5	7th	297·8	*297·4*	..	3	— 3
939	Loanda	8 49	E 13 13	59·3	..	1015·0	+ 0·7	296·3	298·6	16th	292·5	290·3	3rd	294·4	294·0	—0·3	11	+ 6
940	Brazzaville	4 17	15 16	320	976·9	1013·1	— 0·1	305·5	310·0	12th, 14th	293·9	292·0	sev. dates	299·7	*299·0*	+1·2	0	— 5
943	Masaka	0 21	31 47	?1280	..	..	..	299·3	300·8	25th	288·8	288·0	1st	294·1	*292·8*	+0·4	131	+ 6
944	Nairobi	1 14	36 44	1800	..	..	..	296·3	300·2	24th	284·1	277·4	12th	290·2	*289·5*	0·0	73	+ 1
944a	Zanzibar	6 10	39 11	21·9	1015·2	1017·7	— 0·5	301·4	303·0	27th	296·4	295·4	14th	298·9	*297·9*	+0·4	36	+ 1
945	Lamu	2 16	40 50	3·1	..	..	..	305·2	305·8	7th, 30th	296·3	294·7	15th	300·8	*300·2*	+1·5	38	— 1
947	Seychelles, Port Office	4 37	55 27	4·6	1012·3	1012·8	— 0·3	300·6	301·8	..	298·4	297·0	..	299·5	*298·8*	+0·4	123	— 15
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	282	+ 48
958	Batavia	6 11	106 50	8·0	1009·8	1010·7	0·0	304·0	306·0	15th	296·2	294·9	15th	300·1	299·8	+0·4	15	— 11
958a	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	214	+ 18
959	Passeroean	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	8	— 18
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	1	— 19
962	Ambon	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	213	+ 47
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	253	— 17
965	Daru	9 4	143 13	7·6	..	..	..	302·8	..	..	..	..	..	..	‡*299·5*	—0·2	28	— 11
966	Port Moresby	9 29	147 9	39·0	..	1012·6	+ 0·7	300·6	..	..	296·0	..	..	298·3	*297·9*	—0·6	11	— 28
967																		
968	Rendova	8 30	157 12	1·8	1011·0	1011·1	+ 1·1	..	..	..	..	..	..	..	..	..	578	+ 363
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·3	1010·6	+ 0·4	303·3	305·7	7th	297·4	296·0	15th	300·3	*300·1*	+0·2	273	+ 258
970	Ocean Island	0 52	160 35	54·0	1001·2	1007·4	— 1·1	303·9	305·2	10, 17, 20	296·9	295·8	1, 5, 30	300·4	*299·7*	—0·5	335	+ 318
		S.	E.															

SEPTEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	*300·7*	—0·4	mm. 71	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1011·6	— 0·5	303·6	304·6	7th, 15th	295·9	293·5	9th	299·8	299·9	+1·3	52	— 7
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·2	305·2	1st	292·8	288·6	8th, 19th	297·5	*297·3*	+1·0	61	+ 2
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..			..	
1021	Arequipa	16 22	71 33	2451	761·5	..	+ 0·1	293·0	295·7	18th	283·1	280·4	23rd	288·1	*287·5*	+0·4	0	
1022	Puerto de Arica	18 28	70 20	5	..	..	..	291·8	292·2	sev. dates	285·1	284·0	1st	288·5	*290·4*	+0·9	0	
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	
1025	Corumba	18 59	57 39	116	997·4	1010·8	— 0·8	304·8	311·0	10th, 30th	293·2	285·0	16th	299·0	*298·0*	+0·1	64	+ 29
1026	Cuyaba	15 36	56 6	165	991·4	1010·2	— 0·1	304·3	307·8	9th	296·7	289·0	17th	300·5	*300·4*	—0·1	56	— 26
1027	Bello Horizonte	19 55	43 57	857	921·4	1017·7	+ 1·8	297·8	302·5	14th	288·0	281·8	20th	292·9	*292·4*	—0·7	30	..
1028	Caetite	14 3	42 37	900	917·2	1016·5	+ 1·2	298·6	302·5	27th	288·4	286·0	sev. dates	293·5	*294·4*	—1·2	05	— 54
1029	Ondina (Bahia)	13 0	38 31	46·6	1010·9	1016·4	+ 0·4	299·2	301·0	28th	294·1	292·6	18th	296·6	*296·5*	—0·1	103	— 11
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
1035	St. Helena	15 57	W 5 40	632	946·8	1019·2	— 0·2	290·7	293·1	14th, 15th	284·6	283·3	6th, 8th	287·7	*287·4*	+0·3	145	— 15
1042	Gwelo	19 28	E 29 48	1417	860·8	..	— 2·7	300·1	306·3	22nd, 23rd	280·6	275·2	27th	290·3	..	—1·6	21	— 8
1043	Salisbury, Rhodesia	17 48	31 5	1457	857·4	1017·7	+ 1·8	300·9	306·3	22nd, 23rd	282·2	276·9	29th	291·6	*290·7*	—0·2	0	— 5
1044	Zomba	15 23	35 18	996	909·5	1020·8	— 0·1	300·6	304·7	22, 23, 24	287·6	283·0	28, 29	294·1	*293·2*	+0·4	5	— 25
1045	Tananarive	18 55	47 32	1400	868·3	..	+ 1·0	298·1	302·9	26th	284·9	281·5	15th	291·5	*290·2*	+1·1	25	— 25
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	
1055	Cocos Keeling Is.	12 5	96 53	4·6	1014·1	1014·6	+ 0·9	300·8	302·2	8th	297·1	295·3	6th	298·9	*298·6*	—0·3	417	— 64
1056																		
1057	Christmas Island	10 25	105 43	5·5	1010·4	1011·0	+ 0·4	304·2	305·2		295·6	293·6		299·9	*299·2*	+0·2	9	— 4
1058																		
1061	Koepang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	0	— 1
1061a	Derby	17 18	123 40	16·2	1013·1	1015·0	+ 2·0	305·4	308·6	21st	292·4	286·9	13th	298·9	..	—0·5	0	— 1
1062	Hall's Creek	18 13	127 46	374	973·6	1015·2	+ 1·9	305·8	309·8	28th	286·9	280·3	10th, 11th	296·3	*295·8*	—1·3	0	— 1
1063	Darwin	12 28	130 51	29·6	1009·0	1012·3	+ 0·8	305·8	307·9	23rd	295·2	291·3	11th	300·5	*299·4*	—0·7	11	— 12
1064	Daly Waters	16 16	133 23	211	988·8	1012·5	+ 0·7	306·8	309·7	4, 20, 30	289·1	281·9	10th, 11th	297·9	*297·4*	—1·7	0	— 11
1065	Mein	13 13	142 47	122	999·4	1013·2	+ 1·5	303·3	309·0	7th	291·4	285·9	4th	297·4	..	—1·2	0	— 11
1066	Georgetown, Queensland	18 22	143 32	302	981·9	1016·0	+ 1·9	303·8	306·9	2nd, 3rd	287·0	278·4	10th	295·4	..	—1·9	39	— 30
1067	Samarai	10 37	150 40	15·2	..	1014·3	+ 2·3	300·3	..	..	..	..	..	..	‡*298·6*	—0·3	100	+ 77
1072	Suva, Fiji	18 8	178 26	16·8	..	1015·2	— 0·4	298·9	304·9	6th	293·3	290·1	7th	296·1	*295·9*	—0·5	289	+ 267
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

SEPTEMBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	*300·7*	—0·4	mm. 71	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..				
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·7	1018·0	+ 0·6	288·4	291·1	26th	283·3	281·0	11th	285·9	*285·6*	0·0	0	— 3
1122	Iquique	20 12	70 11	9	..	..	..	291·4	294·2	11th	284·7	283·6	sev. dates	288·1	*289·3*	—0·2	0	0
1123	Catamarca	28 27	65 47	510	951·6	1009·9	— 1·7	298·7	310·8	27th	283·5	276·9	2nd	291·1	291·4	—0·9	0	— 7
1124	Salta	24 46	65 28	1178	879·4	1009·5	— 3·5	296·4	307·5	28th	280·8	273·1	2nd	288·6	289·0	—0·8	1	— 5
1125	Goya	29 9	59 15	26	1009·8	1012·8	— 2·8	297·0	306·0	8th	285·2	277·5	16th	291·1	290·8	+0·4	21	— 41
1126	Asuncion	25 21	57 37	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1010·0	1017·2	+ 0·6	298·5	307·4	26th	292·3	288·0	17th	295·4	295·1	+1·3	45	— 22
1139	Windhoek	22 35	E 17 5	1680	..	..	..	296·9	302·1	30th	284·2	275·1	14th	290·6	*290·5*	—1·2	41	+ 40
1140																		
1141	Kimberley	28 42	24 47	1202	884·2	..	— 0·5	297·2	306·3	29th	279·0	271·9	14th	288·1	288·2	—1·0	1	— 19
1142	Johannesburg	26 11	28 4	1806	825·2	..	— 0·2	294·4	303·1	28th	280·8	272·4	14th	287·6	*287·5*	—0·6	6	— 18
1143	Pretoria (Brooklyn)	25 46	28 13	1400	864·7	..	— 0·2	298·1	303·9	28th	282·4	276·6	15th	290·3	*290·2*	+0·3	2	..
1144	Bulawayo	20 9	28 35	1340	869·9	..	— 0·7	300·2	306·3	..	285·1	279·7	..	292·6	*292·4*	—0·2	4	+ 1
1145	Durban	29 52	31 3	15·2	1018·5	1020·3	— 1·3	295·7	300·9	5th	288·0	281·9	14th, 15th	291·9	*291·4*	+0·1	131	+ 48
1146	Lorenzo Marques	25 58	32 36	59	..	1018·8	0·0	298·6	307·2	30th	287·8	284·6	17th	293·2	292·8	—1·1	25	— 4
1147	Mauritius	20 6	57 33	55·2	1012·3	1018·8	— 1·4	298·4	300·1	29th	290·2	287·9	2nd, 9th	294·3	294·0	+0·1	82	+ 49
1159	Onslow	21 43	114 57	4·3	1015·0	1016·0	+ 1·5	303·3	309·1	28th	287·1	282·5	13th	295·2	..	+0·7	1	0
1160	Peak Hill	25 38	118 47	588	950·1	1010·4	+ 1·8	298·2	306·3	28th	284·2	278·6	11th	291·2	..	—0·6	1	— 5
1161	Nullagine	21 53	120 5	386	972·9	1016·0	+ 1·9	303·7	311·9	28th	287·3	280·2	14th	295·5	..	+0·6	1	+ 1
1162	Laverton	28 40	122 23	466	?966·3	?1019·6	+ 3·0	?296·7	?307·3	28th	?281·5	?276·1	11th	?289·1	*?289·1*	—0·7	..	..
1163	Alice Springs	23 38	133 37	587	951·1	1016·8	+ 1·8	300·1	308·0	27th	282·6	274·7	10th	291·3	*291·4*	—0·3	0	— 10
1164	William Creek	28 55	136 21	76·2	1009·3	1018·1	+ 1·2	299·0	311·6	29th	283·2	276·9	8, 12, 16	291·1	*290·9*	+1·1	4	— 7
1165	Boulia	22 55	139 38	146	998·9	1015·4	+ 1·2	303·8	309·7	24th	285·7	277·4	10th	294·7	*294·8*	+0·4	0	— 9
1166	Thargomindah	27 58	143 43	123	1002·5	1016·7	+ 0·9	300·7	310·4	30th	284·5	277·2	13th	292·6	*292·4*	+0·9	0	— 13
1167	Mitchell	26 32	147 52	336	978·9	1016·8	..	300·5	307·4	30th	279·2	271·2	16th	289·8	..	+0·4	1	— 33
1169	Rockhampton	23 24	150 30	11·3	1016·9	1018·2	+ 1·2	301·3	306·6	5th	287·3	280·8	9th	294·3	..	+0·1	1	— 33
1168	Brisbane	27 28	153 2	41·7	1013·4	1018·3	+ 1·1	297·6	303·7	14th	286·0	281·1	9th	291·8	*291·3*	+0·4	5	— 48
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 4	167 59	15·2	1017·0	1018·8	— 0·9	292·2	294·6	15th	286·8	284·1	15th, 28th	289·5	*289·1*	—0·4	57	— 40
		S.	E.															

SEPTEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	*300·7*	—0·4	mm. 71	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	286·7	289·6	25th	282·1	278·9	24th	284·4	*285·0*	—1·0	64	— 6
1222	Punta Tumbes	36 37	73 6	91	‡1006·7	‡1017·8	— 1·4	286·6	295·0	15th	279·8	277·0	14th, 29th	283·2	*283·3*	—0·7	56	+ 6
1223	Punta Angeles, Valparaiso	33 1	71 38	41	1013·2	1018·2	0·0	288·6	293·0	25th	282·1	278·9	11th	285·3	*285·0*	—1·2	42	+ 11
1224	Santiago	33 27	70 42	520	956·3	1017·8	0·0	289·3	296·6	26th	278·4	274·0	11th	283·9	*282·9*	—1·4	20	— 10
1225	Cordoba	31 25	64 12	423	965·2	1014·9	— 0·9	294·1	304·3	..	279·7	269·4	..	286·9	286·6	—1·2	6	— 17
1226	Bahia Blanca	38 45	62 15	25	..	1016·4	— 0·9	288·3	295·0	20th	278·4	272·0	15th	283·3	283·3	—1·9	89	+ 48
1235	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1015·2	— 3·2	289·7	298·1	21st	281·0	273·5	16th	285·3	285·2	—1·2	221	+142
1236	Montevideo (Prado)	34 52	56 12	24·9	1013·2	1016·2	— 1·4	289·5	299·4	22nd	280·5	272·0	2nd	285·0	285·2	—0·7	153	+ 68
1239	Porto Alegre	30 2	W51 13	23·5	1013·9	1016·7	— 0·7	294·3	305·7	25th	284·8	278·5	17th	289·5	289·3	—0·2	245	+129
1240																		
1241	Cape Town	33 56	E 18 29	12·2	..	1020·4	+ 1·3	290·6	301·3	17th	281·8	277·0	12th	286·2	*284·9*	—0·9	90	+ 29
1242	Danger Point	34 37	19 18	27·7	1016·6	1019·9	..	288·9	300·0	25th	283·5	279·1	3rd	286·2	..	..	42	— 26
1243	Riversdale	34 6	21 16	?61	1007·6	1015·0	..	293·7	303·0	17th, 29th	279·8	276·3	9, 17, 25	286·8	..	..	30	..
1244	East London	33 1	27 54	9·8	1017·2	1018·4	— 1·2	294·6	303·6	12th	284·7	278·6	7th	289·6	..	0·0	22	— 54
1259	Perth (Observatory)	31 57	115 51	60·0	1014·4	1021·9	+ 4·0	290·9	295·4	7th	281·7	277·9	20th	286·3	*286·2*	—1·3	61	— 24
1260	Katanning	33 42	117 35	310	983·5	1020·6	+ 3·8	289·6	293·3	8th	278·5	274·7	4th, 11th	284·0	..	—1·0	39	— 11
1261	Coolgardie	30 57	121 10	423	971·0	1020·1	+ 3·3	294·4	302·0	21st	279·3	274·8	11th	286·8	*286·8*	—1·0	12	— 3
1262	Eucla	31 45	128 58	4·6	1017·9	1018·6	+ 1·9	293·0	309·2	28th	281·7	274·2	20th	287·3	*286·9*	—0·8	31	+ 12
1263	Streaky Bay	32 48	134 13	13·1	1017·3	1018·7	+ 1·1	293·3	303·0	28th	283·0	277·7	21st	288·1	*287·7*	+0·8	35	0
1264	Adelaide	34 56	138 35	42·7	1012·2	1017·4	+ 0·1	291·9	301·7	23rd	281·9	277·1	7th	286·9	*286·7*	0·0	77	+ 27
1265	Melbourne	37 49	144 58	35·1	1010·2	1014·6	— 1·2	291·7	302·4	19th	281·1	275·2	21st	286·4	*286·2*	+1·1	27	— 34
1266	Bourke	30 13	145 58	110	1007·8	1020·7	+ 1·0	299·7	310·8	27th, 30th	283·4	276·9	8th	291·5	..	+1·4	10	— 10
1267	Sydney	33 51	151 13	44·5	1010·1	1015·3	— 0·8	295·1	306·5	27th	283·7	278·2	8th	289·4	*288·9*	+1·3	101	+ 27
1268	Lord Howe Island	31 20	159 0	4·6	1017·2	1017·8	— 0·3	293·6	296·3	27th, 28th	285·7	279·7	24th	289·6	..	—0·6	70	— 64
1272	Auckland	36 50	174 50	38·1	..	1009·4	..	287·6	291·3	13th	280·5	276·6	8th	284·1	..	—1·5	90	— 2
	Napier	39 32	176 53	21·3	..	1010·3	— 3·8	288·8	295·5	20th	278·7	274·7	2nd, 28th	283·7	..	—1·4	65	+ 18
		S.	E.															

SEPTEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	*300·7*	—0·4	mm. 71	mm.
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	92	+ 25
1321	Isla Guafo	43 34	74 45	140	998·7	1015·9	— 1·5	282·8	287·9	24th	277·7	275·5	22nd, 28th	280·3	*279·8*	—0·5	64	— 9
1322	Punta Galera	40 1	73 44	40	1012·6	1017·5	— 0·7	284·2	291·8	15th	279·2	276·2	2nd, 3rd	281·7	*282·2*	—0·7	148	— 29
1323	Carmiento	45 30	69 0	274	..	1010·7	..	286·2	295·0	18th	273·4	269·0	7, 12, 15	279·8	279·2	—1·3	13	+ 5
1324	Puerto Madryn	42 49	W64 58	14	..	1013·8	..	288·8	297·0	19th, 20th	274·8	268·6	14th	281·8	282·3	—1·3	9	— 1
1365	Launceston	41 27	E147 10	10·1	1009·4	1010·6	— 1·0	288·3	291·9	19th	278·9	274·8	15th	283·6	*282·8*	+0·4	41	— 34
1366	Hobart	42 53	147 20	53·9	1002·0	1008·5	— 2·1	288·7	296·8	19th	279·8	274·7	5th	284·2	*283·4*	+0·8	30	— 24
1371	Invercargill	46 25	168 21	5·5	..	..	..	286·7	293·6	21st	275·2	271·3	8th, 10th	280·9	..	—0·9	87	+ 9
1372	Dunedin	45 52	170 31	91·4	..	1010·0	— 1·3	285·4	295·8	19th	277·4	271·3	1st	281·4	..	+0·1	91	+ 22
1373	Christchurch	43 31	172 38	7·6	..	1010·5	— 2·4	285·6	296·8	21st	276·0	268·2	2nd	280·8	..	—1·6	77	+ 31
1370	Wellington	41 16	174 46	2·4	..	1011·0	— 1·8	286·9	291·5	26th	279·6	272·6	9th	283·2	..	—0·7	50	— 54
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

SEPTEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	998·3	1005·1	+ 1·2	278·6	282·0	24th	275·2	270·5	1st	276·9	276·8	—1·2	231	+ 49
1422	Puerto de Punta Arenas	53 10	70 54	4	1001·6	1002·1	— 2·0	281·4	286·2	18th	273·6	269·0	1st	277·5	277·4	—0·2	18	— 3
1423	Punta Dungeness	52 24	68 26	5	1001·9	1002·5	— 1·3	279·5	284·8	26th	274·2	273·0	28th	276·9	277·5	—0·1	5	— 8
1424	Santa Cruz	50 11	68 21	12	..	1005·8	— 1·3	284·6	292·8	25th	272·6	268·1	8th	278·6	278·5	—0·7	8	— 5
1424a	Año Nuevo	54 39	64 8	50	992·5	998·7	— 3·6	277·6	280·9	23rd	273·8	269·0	2nd	275·7	275·5	—1·0	..	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	60	+ 21
1426	Cape Pembroke	51 41	57 42	21	..	1001·6	— 3·9	278·9	282·4	8th, 15th	273·4	269·7	2nd	276·2	276·3	—0·8	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

SEPTEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	986·2	987·1	— 6·5	271·2	277·2	20th	265·7	256·8	23rd	268·5	268·4	+2·3	33	+ 1
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—SEPTEMBER, 1919.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Enteebe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1071. Direction and Force (Beaufort).
	9h.	m/s	17½h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SE	..	SE	SW 1 SW 4	SE 2 SE 2	SE 6	ESE 2	W 2 W 6	Calm 0
2	SSE	..	SE	WNW 1 SW 3	E 1 E 1	SE 7	Calm 0	W 2 N 2	Calm 0
3	SSE	..	SE	Calm 0 SW 3	SE 1 S 1	SE 7	SE 2	Calm 0 Calm 0	SW 1
4	SSE	..	Calm	Calm 0 SW 2	NNE 1 SW 2	E 7	SE 2	SE 1 Calm 0	Calm 1
5	SSE	..	NE	NE 1 Calm 0	E 1 SE 1	NE 6	Calm 0	E 2 Calm 0	SE 1
6	SSE	..	NE	Calm 0 Calm 0	E 1 SSE 1	NE 7	Calm 0	NNE 1 Calm 0	Calm 1
7	SE	..	NE	NE 1 Calm 0	N 2 SE 2	NE 7	Calm 0	NNW 3 N 1	Calm 1
8	SE	..	SE	NE 1 SW 2	W 2 SE 3	NE 7	Calm 0	NE 3 NE 3	Calm 1
9	SE	..	SE	Calm 0 SW 2	SE 2 E 1	NE 7	Calm 0	E 2 E 1	E 1
10	SSE	..	SE	NE 1 SW 1	E 1 SE 1	SE 7	SE 2	NE 1 Calm 0	Calm 0
11	SSE	..	SE	NE 1 SW 1	SE 2 E 1	SE 7	Calm 0	NW 2 NW 2	Calm 0
12	SSE	..	SE	NE 1 SW 1	E 1 SE 2	SE 7	ESE 4	NW 1 WNW 1	E 1
13	..	..	SE	NE 1 SW 1	E 1 E 2	NE 7 *	ESE 4	NNE 3 E 2	SE 1
14	..	..	SE	Calm 0 SW 1	E 1 SSE 1	NE 7	ESE 4	SE 3 S 1	SE 1
15	..	..	SE	N 1 SW 2	N 1 SSW 1	NE 7	SE 4	ENE 3 SE 3	SE 1
16	..	..	SE	E 1 SW 2	SE 1 SSE 1	NE 7	ESE 4	SE 3 S 3	SE 1
17	..	..	SE	Calm 0 Calm 0	S 2 SE 2	SE 7	SE 4	E 2 E 3	SE 1
18	..	..	SE	Calm 0 SW 2	E 1 SE 1	SE 6	SE 4	NE 3 NNW 3	SE 1
19	..	..	SE	SW 1 SW 2	W 1 SW 1	SE 7	SE 4	WNW 3 W 4	Calm 1
20	..	..	SE	SW 1 SW 1	N 2 E 2	SE 7	SE 4	W 3 WSW 4	Calm 1
21	..	..	SE	N 1 SW 1	E 1 SSW 1	NE 6	SE 4	NW 3 NW 3	SE 1
22	..	..	SE	Calm 0 Calm 0	N 1 SE 3	SE 5	ESE 4	NW 3 NW 3	Calm 0
23	..	..	SE	SW 1 Calm 0	NW 2 SW 1	E 6	Calm 0	SW 2 SSW 3	Calm 0
24	..	..	SE	Calm 0 SW 3	W 1 S 1	SE 7	Calm 0	SW 2 SW 3	SE 1
25	..	..	SE	Calm 0 Calm 0	N 1 W 1	NE 7	SE 4	ENE 2 E 1	SE 1
26	..	..	SE	NNE 2 SW 2	E 1 SE 2	NE 7	SE 4	E 3 Calm 0	SE 1
27	..	..	SE	NNE 2 SW 2	E 1 S 2	SE 6	SE 4	ESE 1 E 1	SE 1
28	..	..	SE	Calm 0 SW 4	NNW 2 NW 2	SE 6	SE 4	E 3 E 2	SE 1
29	..	..	SE	NNE 1 SW 1	E 1 Calm 0	SE 6	SE 4	ENE 3 NNE 3	SE 1
30	..	..	SE	Calm 0 Calm 0	W 1 SW 1	SE 7	SE 2	SE 3 SE 2	SE 1
Mean	..	..	..	0·7 1·4	1·3 1·4	6·7	2·7	2·3 2·0	1·2
§Resultant	..	..	130° (86)	235° (24)	125° (39)	95° (73)	130° (67)	50° (14)	135° (3)
§Normal	143° (91)	8·8	‖124° (80)	260° (33)	255° (29)	89° (88)	133° (81)	102° (48)	102° (1)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 632 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—SEPTEMBER 1919.

‡‡ *Kara Sea* was free of ice south of a line from the north of Kara Strait to 60 miles north of White Island. The temperature of the water in the middle of the sea was 27°.

‡‡ *Spitsbergen.*—No ice observed along the west coast.

‡‡ *Iceland* was free of ice which is normal in this month.

‡‡ *Denmark Strait.*—At Angmagsalik the ice was 20 miles off-shore, sometimes very close. On the 13th several icebergs observed. By the end of the month the sea was open except for a little scattered ice.

‡‡ *N. Atlantic and Labrador.*—Some icebergs were observed on the Newfoundland Banks, which is rare in this month. Several icebergs occurred both in Belle Isle Strait and to the east of Belle Isle.

‡‡ *Davis Strait.*—The west Greenland coast was ice free to past Upernivik. Many icebergs were observed between Cape Farewell and Umanak.

‡‡ *Baffin Bay and Smith Sound.*—In Melville Bay excepting for the hummocks of calf ice, all the ice, firm ice, field ice and hummocks was very wasted. To the west of 67° W. the west ice was close.

‡‡ *Bering Sea and Bering Strait* were free of ice.

‡‡ *Isforholdene i de Arktiske Have*, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, OCTOBER 1919.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF OCTOBER 1919 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

OCTOBER—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 27	66 40	?	1007·6	..	— 1·2	..	279·8	12th	..	259·8	28th	..	267·7	..	1	..
125	Upernivik	72 47	W56 7	18·9	1006·6	1008·9	+ 0·1	274·9	283·8	12th	268·2	263·5	26th	271·5	271·8	+2·8	42	+ 16
139	Spitsbergen(GreenHarbour)	78 2	E14 14	11·4	1011·6	1013·1	+ 2·9	..	274·9	4th	265·9	261·6	14th	..	268·2	+1·4	8	— 21
141	Gjesvaer	71 6	25 22	6·5	1011·1	1011·9	+ 5·1	..	283·3	4th	272·1	266·8	30th	..	274·6	—0·4	131	+ 53
142	Mehavn	71 1	27 47	6·4	1010·4	1011·2	+ 3·0	..	282·3	4th	271·4	265·3	15th	..	274·1	—0·3	120	+ 39
143	Vardö	70 22	31 8	10·0	1011·1	1012·4	+ 5·2	..	281·4	7th	272·7	266·2	31st	..	274·5	0·0	61	— 3
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24	58 47	11·2	?1000·7	?1002·1	— 5·1	278·6	288·2	6th	269·4	262·7	30th	274·0	271·6	..	49	..
157	Maudhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

OCTOBER—ZONE 2. Between Latitude 70° N. and 60° N.

202	Gambel	N.	W.		..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
204	Candle	64 30	165 24	6·7	..	1013·9	+ 8·5	273·1	279·7	25th	267·1	259·7	5th	270·1	270·3	—1·7	73	+ 36
205	Tanana	65 55	161 57	2·4	..	..	..	273·2	281·3	25th, 26th	266·9	258·0	22nd	270·1	..	..	19	..
206	Rampart	65 10	152 6	67·1	..	1016·9	+10·6	272·1	277·4	15th	264·8	254·1	31st	268·4	268·1	+0·7	24	+ 1
207	Valdez	65 30	150 15	122	..	..	..	271·4	278·6	26th	263·2	253·6	23rd	267·3	..	..	15	— 9
208	Eagle	61 7	146 16	8·2	..	1016·2	+10·9	278·4	283·0	18th	272·8	268·6	28th	275·6	275·2	—0·2	113	— 45
209	Dawson	64 40	141 12	254	..	1017·9	+ 8·9	272·0	281·9	15th, 16th	262·9	250·8	10th	267·4	..	—1·8	6	— 12
210	Carcross	64 4	139 20	328	979·3	1021·1	+11·0	270·2	279·7	14th, 15th	260·2	251·3	22nd	265·2	..	—4·5	9	— 25
211	Fort Good Hope	60 11	134 34	662	..	..	..	274·9	288·0	4th	266·2	251·9	23rd	270·5	..	—3·9	59	+ 35
212	Fort Simpson	61 52	121 35	129	1000·0	1016·7	..	269·1	279·7	17th	260·2	249·7	25th	264·7	..	..	13	— 13
213	Hay River	60 51	115 20	161	996·8	1017·4	..	272·4	280·2	3rd	263·0	255·8	9, 22, 28	267·7	..	—1·3	10	— 13
225	Jacobshavn	69 13	51 2	12·6	1007·0	1008·6	— 0·1	271·3	279·1	2nd	264·1	252·4	30th	267·7	..	—5·3	22	..
226	Godthaab	64 11	51 43	9·0	1003·8	1004·9	— 0·3	275·4	285·1	13th	269·3	263·1	3rd	272·3	272·5	+3·2	26	+ 2
227	Ivigtut	61 12	48 10	5·0	1004·7	1005·3	+ 0·2	276·3	285·2	12th	271·4	267·4	5th	273·9	273·9	+1·8	..	..
229	Angmagsalik	65 37	37 33	31·7	1009·8	1013·8	+ 7·6	280·3	288·9	8th	274·2	269·8	16th	277·3	276·9	+3·0	223	+ 75
231	Stykkisholm	65 5	22 46	11·3	..	..	..	275·6	281·9	11th	270·1	265·1	25th	272·9	272·9	+0·7	186	+ 22
233	Vestmanno	63 26	20 15	7·7	1017·2	1018·1	+12·7	..	..	..	..	..	..	..	..	..	..	..
234	Grimsey	66 33	17 58	22	1014·4	1017·1	+10·4	280·7	284·8	10th	275·6	269·0	26th	278·1	278·4	0·0	117	— 32
235	Bernfiord	64 40	14 19	18·0	1015·5	1017·7	+11·3	277·7	284·2	3rd	271·9	268·3	23rd	274·8	275·3	—0·4	2	— 34
236	Thorshavn	62 3	6 45	26·3	1016·2	1019·4	+11·7	279·7	287·2	10th	273·5	266·9	27th	276·6	276·4	—0·1	15	—112
237	Lerwick	60 9	W 1 8	18·0	1016·4	1018·5	+10·2	281·0	285·5	3rd	276·0	270·5	24th	278·5	278·5	—1·1	108	— 52
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1011·8	1017·3	+ 7·4	282·4	288·0	5th, 6th	277·8	274·1	25, 26, 27	280·1	280·5	—0·8	70	— 30
239	Christiansund	63 7	7 45	17·8	1013·5	1015·6	+ 7·2	280·7	287·7	1st	277·6	273·4	31st	279·7	279·6	—0·9	138	— 67
240	Trondhjem	63 26	10 25	39·5	1011·4	1016·3	+ 7·3	..	286·2	22nd	275·9	272·0	31st	..	278·7	—1·3	141	— 7
241	Bodö	67 17	14 24	22·4	1012·3	1015·1	+ 7·3	279·3	286·7	2nd	274·9	268·4	30th	277·1	276·9	—1·1	77	— 34
242	Haparanda	65 50	24 9	9·2	1013·1	1014·3	+ 4·0	..	285·0	3rd	273·7	267·0	30th	..	275·9	—1·3	89	— 19
243a	Helsingfors	60 10	24 57	11·7	1014·3	1015·8	+ 2·3	275·8	283·0	5th	270·6	260·5	30th	273·2	273·6	—0·7	49	— 7
	Kuopio	62 54	27 40	90·3	1003·6	1014·8	+ 2·2	280·2	287·3	5th	276·1	268·8	30th	278·2	278·1	—0·3	67	+ 1
243	Kola	68 53	33 1	6·7	1012·2	1013·1	+ 4·1	278·6	287·5	5th	273·9	265·3	31st	276·2	276·1	0·0	63	+ 14
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	274·5	283·7	4th	269·2	258·9	27th	271·9	272·1	—0·4	23	— 4
245	Arkhangelsk	64 35	40 36	6·2	1013·1	1013·9	+ 1·6	..	..	..	..	..	..	..	..	..	..	..
246	Mezen	65 50	44 16	12·6	1010·3	1011·9	+ 1·0	277·6	285·6	7th	273·3	262·8	28th	275·4	275·4	+1·2	53	+ 13
247	Oust-Tsyima	65 25	52 14	? 70	1002·8	1011·6	— 1·4	275·7	283·3	5th	270·7	256·9	28th	273·2	273·3	+0·9	66	+ 38
248	Tcherdyn	60 24	56 31	?177	..	..	..	275·3	281·2	12th	270·3	257·6	27th	272·8	272·9	+1·4	65	..
249	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgont	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Doudinka	69 23	86 4	20	1000·8	1003·3	— 7·8	..	277·8	1st	265·0	244·3	30th	..	267·8	..	21	..
253	Touroukhansk	65 47	87 57	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
262	Iakoutsk	62 1	129 43	108	1002·8	1016·6	— 1·8	..	282·5	5th	266·8	256·3	29th	..	270·0	+5·6	18	— 1
263	Verkhoiansk	67 33	133 23	100	999·8	1012·9	+ 1·1	..	278·2	5th	257·3	240·6	29th	..	262·0	+4·0	10	+ 2
271	Markovo-sur-Anadyr	64 45	170 50	25·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272	Novo-Mariinskii Post	64 45	177 33	22·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

OCTOBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1011·5	+ 6·8	278·6	281·3	8th	274·9	270·2	22nd	276·8	..	..	80	+ 41
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1011·8	+ 6·5	281·7	289·1	1st	276·1	271·3	15th	278·9	..	+0·6	259	+ 111
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	279·4	286·9	11th	271·4	263·0	31st	275·4	..	..	140	— 38
306	Kodiak (Radio)	57 47	152 22	6·1	..	1014·2	+12·0	281·7	284·7	25th, 26th	276·7	272·4	31st	279·2	..	..	‡138	
309	Sitka	57 3	135 19	27·4	..	1017·3	+ 9·0	283·3	288·6	13th	276·6	269·1	23rd	279·9	*279·6*	—0·7	353	+ 58
310	Prince Rupert	54 18	130 18	51·8	1010·7	1017·1	+ 5·3	282·4	286·3	5th	277·4	270·2	23rd	279·9	*279·9*	—1·4	268	+ 8
311	Barkerville	53 2	121 35	1274	869·1	1017·7	+ 1·0	275·8	292·4	4th	268·0	253·0	26th	271·9	*272·1*	—4·2	155	+ 18
312	Kamloops	50 42	120 29	385	976·6	1023·4	+ 3·3	283·0	296·3	5th	274·1	266·9	26th	278·6	*278·8*	—3·2	31	— 15
313	Calgary	51 2	114 2	1045	894·3	1016·9	+ 1·3	280·8	296·3	5th	265·8	251·3	24th, 27th	273·3	*273·0*	—5·2	16	— 18
314	Fort Chipewyan	58 42	111 10	218	989·5	1017·3	..	271·9	283·6	1st, 2nd	262·4	248·0	26th	267·2	*267·5*	—6·7	6	— 28
315	Prince Albert	53 10	105 38	442	963·1	1017·8	+ 4·2	276·3	290·8	5th	265·2	253·0	27th	270·8	*270·5*	—5·7	19	— 15
316	Qu'Appelle	50 30	103 47	645	938·3	1017·0	+ 2·6	276·9	295·2	7th	264·7	247·4	24th	270·8	*270·4*	—7·1	50	+ 7
317	Minnedosa	50 15	99 50	515	953·9	1017·1	+ 2·0	277·4	292·4	8th	266·3	249·1	26th	271·9	*271·3*	—5·7	37	— 5
318	Berens River	52 18	97 23	216	..	..	..	275·1	286·9	2nd	262·4	257·4	24th, 28th	268·7	..	—8·8	1	— 31
318*a*	Port Nelson	57 4	92 36	14·9	1011·7	1013·6	+ 1·3	270·2	285·2	1st	262·4	248·0	27th	266·3	..	—4·5	44	+ 7
319	Fort Hope	51 33	87 49	‡260	982·7	1015·6	..	275·2	287·4	9th	265·8	254·1	26th	270·5	*270·8*	..	74	— 7
320	Moose Factory	51 14	80 30	9·1	1012·3	1013·5	— 1·4	279·1	289·7	4th, 10th	268·6	257·4	29th	273·8	..	—3·8	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	275·2	286·3	8th	269·4	263·6	18th	272·3	*272·4*	..	86	— 4
322	Mistassini Post	50 15	73 55	383	..	..	..	277·2	283·6	7th	269·6	261·3	29th	273·4	..	—1·3	..	..
323					..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Natashquan	50 8	61 48	6·1	..	..	..	278·4	284·7	1st	269·3	259·7	31st	273·9	..	—2·9	89	+ 28
326	Belle Isle	51 53	55 23	133	993·2	1009·8	— 1·0	276·1	282·4	1st	271·4	265·2	31st	273·8	*273·4*	—2·1	57	— 7
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1022·8	1024·5	+12·5	285·8	291·3	7th	281·5	273·0	30th	283·7	283·8	—0·2	66	+ 17
335	Aberdeen	57 10	W 2 6	26·8	1017·3	1020·6	+10·3	283·3	290·2	5th	278·3	274·1	12th, 28th	280·8	280·7	—0·7	75	+ 26
336	Greenwich	51 28	0 0	46·3	1015·7	1021·4	+ 7·9	285·6	291·3	1st	276·0	271·9	23rd	280·8	280·4	—2·3	22	— 29
337	Uccle	50 48	E 4 22	100	1006·8	1010·2	+ 4·7	285·9	293·3	6th	276·7	271·9	12th	281·3	280·2	—2·2	88	+ 37
338	De Bilt	52 6	5 11	3·0	1018·8	1019·2	+ 5·7	285·1	292·5	2nd	276·0	270·1	29th	280·5	280·0	—2·4	63	+ 12
338*a*	Hamburg	53 33	9 58	26·0	1015·2	1018·4	+ 4·3	283·1	290·2	1st	277·7	272·8	30th	280·4	*280·0*	—2·3	57	+ 6
339	Copenhagen	55 41	12 36	5·0	1017·1	1017·7	+ 4·3	282·3	289·0	2nd	278·4	273·4	27th	280·3	*280·6*	—1·4	25	— 26
340	Potsdam	52 23	13 4	84·9	1008·0	1018·6	+ 3·1	283·5	294·1	1st, 2nd	277·1	271·4	17th	280·3	279·7	—1·0	67	+ 16
340*a*	Upsala	59 51	17 38	24	1013·3	1016·2	+ 4·0	280·5	288·0	6th	274·4	269·3	31st	277·4	277·5	—0·7	16	— 34
341	Warsaw	52 13	21 1	‡33	1003·0	1019·2	+ 2·2	284·6	296·4	5th	276·6	269·4	31st	280·6	280·3	—0·7	25	— 25
342	Dorpat (Jurjev)	58 23	26 43	74·5	1008·8	1018·1	+ 2·7	281·5	290·4	6th	275·4	267·3	30th	278·4	278·1	+0·2	30	— 15
343	Petrograd	59 56	30 16	4·8	1016·3	1016·9	+ 2·7	280·9	287·9	6th	276·0	268·0	31st	278·4	*278·3*	+0·4	48	+ 3
344	Kiev	50 27	30 30	183	999·0	1021·5	+ 1·9	283·7	293·4	3rd	276·8	269·6	31st	280·2	*279·7*	—1·0	83	+ 36
344*a*	Moscow	55 50	37 33	167	1001·2	1022·0	+ 2·8	281·4	289·9	4th	274·3	265·1	30th	277·8	*277·6*	—0·1	70	+ 23
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1011·9	1021·9	+ 3·3	282·4	292·0	8th	276·1	266·4	30th	279·2	*279·0*	+2·0	78	+ 37
347	Orenburg	51 45	55 6	109	1010·7	1024·3	+ 3·4	285·8	296·2	18th	275·3	267·6	15th	280·6	*280·0*	+3·1	18	— 21
348	Perm	58 1	56 16	159	998·7	1018·5	+ 1·4	..	287·6	8th	274·1	264·4	31st	..	*276·6*	+2·5	100	+ 58
349	Ekaterinburg	56 50	60 38	281	983·8	1018·4	0·0	280·3	290·8	11th	274·0	261·3	31st	277·2	*276·8*	+2·8	38	+ 1
350	Tobolsk	58 12	68 14	?108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	..	..	..	..	..	..	..	..	..	..	..	..	..	..
355	Minousinsk	53 43	91 41	249	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 10	77·6	1006·7	1016·5	— 3·4	..	287·2	14th	271·2	258·2	30th	..	*274·0*	+2·1	33	— 20
357	Irkutsk	52 16	104 19	467	964·0	1021·2	— 2·3	..	294·9	6th	270·0	256·8	29th	..	*274·7*	+1·2	..	..
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	681	936·2	1018·7	— 1·9	..	290·8	6th	266·3	252·5	30th	..	*272·3*	+0·7	3	— 31
360	Nertchinskii Zavod	51 19	119 37	626	941·4	1017·2	— 2·4	..	288·0	7th	268·5	254·0	31st	..	*273·2*	+1·8	1	— 33
361	Tygan Ourkan	54 5	124 46	379	968·2	1015·2	..	277·9	290·0	7th, 8th	265·8	253·3	29th	271·8	*271·3*	..	19	— 14
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	995·8	1013·4	— 2·9	282·1	294·1	8th	272·0	262·6	31st	277·0	*276·6*	+2·3	13	— 20
363	Paikanskii Sklad	50 11	130 7	145	..	..	..	..	..	..	..	..	..	..	..	..	..	..
364					..	..	..	..	..	..	..	..	..	..	..	..	..	..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1010·6	1013·2	+ 1·4	..	287·9	1st	272·0	264·0	26th	..	*276·9*	+2·0	87	+ 36
366	Okhotsk	59 21	143 12	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367					..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1011·9	1013·5	+ 5·6	282·0	286·6	8th	274·9	270·9	28th	278·5	*278·2*	..	45	— 12
369					..	..	..	..	..	..	..	..	..	..	..	..	..	..
371	Attu Island	52 56	173 13	4·9	..	1010·8	+ 3·0	280·2	284·7	14th	274·9	271·3	16, 18, 25	277·6	..	..	162	+ 71
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

OCTOBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1011·8	1020·5	+ 2·9	285·2	292·4	5th, 6th	278·6	273·0	24th, 25th	281·9	281·2	—1·0	33	— 32
412	Portland, Oregon	45 32	122 41	46·6	1015·0	1020·3	+ 2·4	287·6	298·6	6th	279·4	271·9	27th	283·5	*283·4*	—1·4	36	— 47
413	Macleod	49 44	133 24	953	..	..	..	280·2	295·2	7th	268·9	249·7	26th	274·6	*274·3*	—6·0	40	+ 24
414	Helena	46 34	112 4	1253	873·5	1018·3	+ 0·7	280·2	294·1	7th	269·9	254·7	24th	275·1	*275·1*	—5·1	32	+ 9
414*a*	Salt Lake City	40 46	111 54	1329	867·8	1016·9	+ 0·1	284·7	294·1	17th	275·3	268·0	28th	280·0	*280·2*	—4·1	64	+ 26
415	Cheyenne	41 8	104 48	1856	811·0	1015·2	— 1·1	283·7	293·0	1st	271·7	265·8	10th	277·7	*277·8*	—2·6	42	+ 21
415*a*	North Platte	41 8	100 45	859	917·2	1017·6	+ 0·9	287·1	300·8	1st	273·7	263·6	28th	280·4	*280·3*	—2·7	35	+ 7
416	Bismarck	46 47	100 38	511	957·0	1018·9	+ 2·2	280·8	301·3	8th	268·1	249·7	26th	274·4	*274·8*	—4·9	25	— 0
416	Winnipeg	49 53	97 7	232	987·5	1016·4	+ 1·1	278·6	296·9	8th	268·6	256·9	27th	273·6	*273·3*	—4·3	42	+ 6
416	Duluth	46 47	92 6	345	974·4	1016·6	+ 0·7	281·4	295·8	8th	272·7	265·2	26th	277·1	*277·0*	—2·1	69	+ 15
417	Port Arthur	48 27	89 12	196	991·9	1016·1	+ 0·5	281·3	294·1	8th	271·9	264·1	25th, 28th	276·6	*276·3*	—1·5	40	— 23
421	Chicago	41 53	87 37	251	987·6	1017·6	— 0·1	291·1	302·4	2nd	282·9	274·7	29th	287·0	*287·7*	—2·1	103	+100
422	Toronto	43 40	79 24	116	1004·4	1018·5	+ 0·5	289·1	299·7	3rd, 10th	280·2	273·0	8th	284·7	284·1	+3·4	76	+ 14
423	New York (Central Park)	40 46	73 58	30·2	1016·2	1019·8	+ 1·7	292·2	303·6	3rd	284·1	276·9	13th	288·1	288·1	+1·8	91	— 8
423*a*	St. John, N.B.	45 17	66 4	36·2	1014·6	1019·1	+ 2·6	284·1	290·8	7th	276·9	268·6	30th	280·5	280·2	+0·1	98	— 17
	S.W. Point, Anticosti	49 24	63 33	9·1	1015·7	1016·8	+ 3·5	278·0	281·9	4th, 7th	273·0	267·4	30th	275·5	*275·5*	—1·9	82	— 1
423*a*	Sable Island (Main Station)	43 57	60 6	7·6	1020·0	1020·9	+ 3·2	285·2	292·4	15th	280·8	275·2	29th	283·0	*283·0*	—1·3	103	— 21
425	Port aux Basques	47 35	59 10	9·1	1015·1	1016·2	+ 1·5	280·8	286·3	7th	274·7	269·7	11th	277·7	*277·6*	—2·1	156	+ 14
426	St. John's, Newfoundland	47 34	52 42	38·1	1010·3	1015·0	+ 1·7	281·9	288·6	17th	275·2	269·1	31st	278·6	*278·1*	—1·8	85	— 59
427	Madrid	40 24	3 41	655	942·6	1019·1	+ 1·9	291·5	295·9	2nd, 21st	277·9	271·5	28th	284·7	284·0	—2·1	54	+ 9
428	Nantes	47 15	W 1 34	36·5	1016·1	1020·6	+ 5·5	287·1	294·0	7th	276·8	270·0	17th	282·0	281·5	—3·1	27	— 35
429	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1014·7	1020·9	+ 5·5	285·8	294·8	1st	275·8	271·6	18th	280·8	280·2	—2·9	36	— 19
430	Marseilles	43 18	5 23	75	..	1016·0	+ 1·2	290·0	299·0	6th	280·7	273·6	30th	285·3	*284·9*	—3·4	26	— 31
431	Zurich	47 23	8 33	493	961·1	1020·5	+ 3·1	283·2	293·5	6th	276·1	269·4	31st	279·7	279·1	—2·3	66	— 28
440	Rome	41 54	12 27	45	1009·9	1015·2	— 0·9	291·8	301·2	1st	284·8	276·8	31st	288·3	*288·1*	—1·5	132	+ 14
440*a*	Vienna	48 15	16 22	203	993·5	1018·2	+ 1·1	283·6	292·8	5th, 6th	278·3	271·2	31st	280·9	281·0	—1·6	53	+ 4
441	Buda-Pesth	47 31	19 2	130	1002·0	1017·8	0·0	287·7	299·1	1st, 5th	279·4	272·3	20th	283·6	*282·8*	—0·5	65	+ 6
442	Sofia	42 42	23 20	550	953·0	1017·0	— 0·3	288·8	298·9	15th	279·8	273·4	18th	284·3	*283·7*	—0·2	101	+ 40
443	Bucharest	44 25	26 5	82	1008·5	1018·5	— 0·3	289·1	298·7	15th	280·7	274·9	19th	284·9	284·3	—0·3	140	+ 99
443	Odessa (University)	46 26	30 46	42·8	1012·8	1018·0	— 1·6	288·7	294·4	10th	282·5	276·8	31st	285·6	*285·3*	+0·4	109	+ 78
444	Kharkov (University)	50 0	36 14	140	1004·6	1021·9	+ 0·9	285·4	293·5	5th	276·7	271·3	22nd	281·0	*280·7*	+0·6	101	+ 60
445	Novorossiisk	44 44	37 49	37·1	1013·5	1017·9	0·0	295·2	301·4	19th	280·4	279·5	24th	290·8	*290·7*	+3·1	79	+ 39
446	Tiflis	41 43	44 48	404	974·4	1021·7	+ 0·5	296·0	300·6	14th	285·0	280·6	30th	290·5	*289·9*	+2·8	64	+ 27
447	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
450	Tachkent	41 20	69 18	478	965·8	1022·1	— 0·3	295·7	301·0	2nd	279·2	274·2	7th	287·4	*286·6*	+1·4	0	— 28
451	Narynskoe	41 26	76 2	?2015	800·8	..	..	..	293·2	2nd	272·2	265·8	31st	..	*278·8*	+1·1	6	..
452	Verniyi	43 16	76 53	841	..	..	..	290·9	297·0	4th	277·9	271·4	6th	284·4	*284·6*	..	2	..
460	Mukden	41 48	123 23	43·8	1010·7	1016·1	— 3·8	288·8	299·2	2nd	276·7	266·1	31st	282·7	282·0	—0·1	88	+ 51
460*a*	Joshin	40 40	129 11	4·0	1014·4	1014·9	— 3·5	290·4	296·6	1st	280·1	271·9	31st	285·3	285·0	+0·6	144	+109
461	Yuki	42 20	130 24	65·6	1007·3	1015·3	..	287·6	295·0	1st	278·8	269·8	31st	283·2	283·2	..	183	..
462	Vladivostok	43 7	131 55	128	999·9	1015·5	— 2·7	286·5	294·4	3rd	279·9	271·0	31st	283·2	282·9	+0·6	86	+ 40
465	Ochiai	47 20	142 46	6·6	1013·7	1014·5	+ 0·5	285·9	294·4	1st	275·7	268·6	20th	280·8	280·9	+1·7	49	— 57
465	Nemuro	43 20	145 35	26·7	1013·0	1016·2	+ 0·5	286·7	291·1	28th	280·1	274·5	24th	283·4	283·5	0·0	96	+ 1
466	Syana	45 14	147 53	39·3	1011·8	1016·6	+ 1·1	286·1	291·1	28th	278·2	271·7	30th	282·1	282·5	+0·8	84	— 19
		N.	E.															

Between Latitude 40° N. and 30° N. — OCTOBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		N.	W.															
512	San Francisco	37 48	122 26	47·2	1010·2	1015·9	— 0·6	293·8	301·3	6th	284·1	281·9	16th	288·9	*287·6*	—0·1	7	— 20
512	San Luis Obispo	35 18	120 39	61·3	1008·2	1015·6	— 0·4	297·1	306·3	16th	280·5	274·7	26th	288·8	*287·0*	—1·4	3	— 22
515	San Diego	32 43	117 10	26·5	1010·9	1013·9	— 0·3	293·6	301·3	17th	285·7	280·8	29th	289·7	*289·5*	—0·7	26	+ 15
516	Modena	37 48	113 54	1670	832·9	1015·2	— 1·5	280·4	292·4	16th	270·9	264·7	20th	278·7	*278·6*	—3·5	16	— 6
517	Santa Fé	35 41	105 57	2138	786·2	1013·2	— 1·4	286·9	294·1	1st	275·8	268·6	28th	281·4	*281·2*	—1·9	46	+ 19
518	Denver	39 45	105 0	1613	835·6	1014·5	— 1·6	287·3	298·6	1st	274·7	268·6	28th	281·0	*281·3*	—2·3	17	— 9
	Abilene	32 23	99 40	530	953·7	1014·5	— 2·2	296·8	303·0	4th	286·8	276·3	28th	291·8	*291·6*	+0·8	101	+ 38
519	Saint Louis	38 38	90 12	173	996·6	1017·3	— 0·8	293·3	304·7	1st	284·8	276·9	28th	289·0	*289·3*	+1·6	216	+153
520	Mobile	30 41	88 2	17·4	1015·7	1017·6	+ 0·3	302·0	305·8	1st	294·6	289·1	18th	298·3	*298·3*	+5·8	217	+132
521	Nashville	36 10	86 47	166	999·3	1018·9	0·0	297·1	305·8	2nd	289·1	280·8	19th	293·1	*293·4*	+4·7	212	+155
522	Charleston	32 47	79 56	14·6	1018·2	1020·0	+ 2·0	301·5	308·0	6th	294·3	288·0	19th	297·9	*297·9*	+5·5	7	— 90
523	Washington	38 54	77 3	34·1	1016·2	1020·3	+ 1·4	295·1	305·8	3rd	285·6	277·4	13th	290·3	*290·0*	+3·4	92	+ 15
524	Bermuda	32 17	64 46	46·0	1014·3	1019·7	+ 3·0	300·8	302·4	4th	294·1	291·3	31st	297·4	*297·1*	+0·7	65	— 86
530	Santa Cruz (Flores)	39 27	31 9	28	1011·8	1014·9	— 5·3	294·8	297·8	2nd	290·3	286·0	31st	292·5	*292·6*	+0·7	77	— 67
531	Horta	38 32	28 38	65	1008·6	1015·9	— 3·6	295·7	298·7	3rd	291·5	288·4	17th	293·6	293·2	+1·1	121	+ 8
532	Ponta Delgada	37 44	25 40	22	1015·2	1017·1	— 1·2	294·5	296·0	3rd, 4th	290·9	288·4	13th	292·7	292·6	+0·9	..	..
533	Praja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	220	+ 88
534	Madeira (Funchal)	32 37	16 54	25	1017·0	1019·9	+ 1·8	296·3	300·5	21st	291·0	288·8	29th	293·6	*293·6*	+0·1	252	+167
535	Lisbon	38 43	9 9	95	1007·9	1019·3	+ 2·3	293·0	296·6	21st	286·7	283·2	28th	289·8	*289·6*	—0·3	40	— 42
536	Gibraltar	36 6	5 21	16·2	1016·3	1018·3	+ 1·0	293·8	298·6	3rd	280·7	281·9	28th, 29th	290·3	*290·3*	—1·6	153	+ 69
536	Melilla	35 18	2 59	8	‡1016·9	‡1017·8	— 2·1	296·5	299·6	2nd	280·4	283·2	29th, 31st	291·5	*292·9*	—4·1	20	— 33
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

OCTOBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1014·1	1016·8	+ 0·7	292·8	298·0	6th	285·3	281·2	18th	289·0	..	−3·0	109	+ 55
538	Algiers (Bouzaréah)	36 48	3 2	343	977·4	1017·5	+ 1·4	291·6	295·8	1st	286·4	281·4	27th	289·0	288·7	−2·2	88	+ 34
539	Tunis	36 48	10 10	21	1014·6	1017·1	..	296·5	306·2	7th	287·9	282·0	24th	292·2	*291·4*	−0·6	21	− 29
539*a*	Malta	35 54	14 31	56·4	..	1016·7	— 0·1	297·0	305·8	14th	291·0	283·3	24th	294·0	*293·1*	−0·6	25	− 24
540	Riposto	37 41	15 14	14·2	..	1017·4	— 0·3	295·0	300·2	1st	288·8	284·6	31st	291·9	*291·5*	−1·3	33	+ 6
541	Athens	37 58	23 43	107	1003·8	1016·5	— 0·2	296·4	303·0	15th	289·3	284·3	20th	292·9	292·7	+0·8	67	+ 35
542	Alexandria	31 12	29 53	32·0	1013·3	1017·0	+ 0·7	302·5	307·5	29th	294·1	290·8	10th	298·3	*297·5*	+1·2	3	− 19
543	Cairo (Helwan)	29 52	31 20	116	1002·3	1015·8	+ 1·2	305·0	310·3	29th	292·5	290·1	26th	298·7	298·1	+1·9	0	− 21
544	Nicosia (P.W.D.)	35 9	33 22	159	..	1016·3	+ 1·3	302·1	307·4	14th, 16th	287·7	285·2	sev. dates	294·9	..	+0·3	2	− 17
544*a*	Beirut	33 54	35 28	33·7	..	1018·6	+ 4·2	300·3	301·9	1st	295·1	292·4	27th, 28th	297·7	*297·6*	+0·9	0	− 17
545	Baghdad	33 21	44 28	38·1	..	1015·4	+ 1·4	308·4	312·6	1st	292·0	285·9	23rd	300·2	*298·1*	+1·8	0	− 17
546	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546*a*	Lenkoran	38 46	48 52	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	0	− 1
548	Meshed	36 16	59 35	946	..	..	..	298·4	303·8	4 days	286·0	279·1	26th	292·2	*292·2*	+1·3	..	..
549	Seistan	31 0	61 30	?	..	..	..	301·1	307·1	14th	284·0	277·3	30th	292·6	..	..	0	− 1
550	Quetta	30 11	67 3	1677	836·6	..	+ 0·4	296·1	300·4	1st, 6th	274·3	269·9	27th	285·2	*285·2*	−1·7	0	− 1
551	Peshawar	34 2	71 37	339	974·6	1014·2	+ 0·1	304·8	307·6	1st	286·7	280·3	30th	295·8	*295·0*	−0·1	0	− 1
551*a*	Lahore	31 34	74 20	214	987·2	1011·9	+ 0·4	307·6	310·1	1st	288·7	282·8	30th	298·1	*297·3*	0·0	2	+ 1
552	Simla	31 7	77 8	2205	783·7	..	+ 0·3	290·3	293·4	7th	283·9	281·7	28th	287·1	*287·1*	+0·3	0	− 1
552*a*	Leh	34 10	77 42	3503	669·2	..	+ 0·1	287·8	290·8	7th	272·3	269·8	26th, 29th	280·1	*279·2*	+0·1	..	..
559	Hankow	30 35	114 17	37·0	1016·3	1020·7	+ 0·4	296·0	300·4	17th	287·3	281·9	22nd	291·7	*291·5*	−0·1	26	+ 1
560	Tientsin	39 10	117 10	5·0	1017·1	1017·7	— 2·9	293·3	300·2	2nd	281·5	275·2	22nd	287·4	*287·4*	0·0	22	+ 7
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1018·4	— 0·7	297·6	301·6	16th, 19th	284·9	277·7	24th	291·2	290·2	−0·3	32	− 8
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1008·9	1017·1	— 1·7	291·8	298·9	2nd	282·7	273·5	31st	287·2	286·9	−0·4	86	+ 46
562*a*	Nagasaki	32 44	129 52	133	1000·7	1016·5	— 0·3	294·8	299·6	4th	287·2	283·6	22nd	291·0	290·5	−0·4	69	+ 29
563	Kioto	35 1	135 44	42·9	1010·6	1015·7	— 0·7	296·7	300·9	3rd	283·7	278·7	22nd	290·2	289·1	+0·6	98	+ 58
564	Tokio	35 41	139 45	21·3	1012·7	1015·2	— 1·6	293·9	301·2	2nd	286·0	282·4	17th	289·9	289·4	+0·5	163	+ 124
565	Kanayama	37 53	140 46	24·6	1012·6	1015·5	— 1·6	292·8	297·6	9th	283·4	277·6	23rd, 31st	288·1	287·6	+1·2	315	+ 276
566	Miyako	39 38	141 59	30·4	1011·7	1015·3	— 1·4	292·2	296·4	9th	282·1	274·9	23rd	287·1	286·3	+0·9	230	+ 191

OCTOBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1015·2	— 1·2	298·7	303·6	5th	292·7	288·0	20th	295·7	..	..	72	+ 39
605	Honolulu	21 19	157 52	11·6	1014·0	1015·3	— 0·7	301·2	303·0	..	295·7	294·1	..	298·4	*298·3*	+0·6	124	+ 91
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	858·8	1011·5	..	298·3	302·0	27th	285·7	282·7	19th, 20th	292·0	*291·2*	..	22	− 3
616	Leon	21 7	101 41	1809	821·7	1009·1	+ 0·2	298·4	302·5	12th	286·1	283·0	26th	292·2	*291·7*	+1·0	31	+ 6
616*a*	Monterry	25 40	100 18	528	952·7	1011·5	..	299·7	304·2	3rd, 11th	292·0	287·1	18th	295·8	*295·6*	..	66	+ 41
617	Tulancingo	20 5	98 22	2180	791·3	..	..	..	298·0	..	..	281·0	..	..	288·5	+0·8	134	+ 109
618	Galveston	29 18	94 50	16·5	1013·7	1015·9	— 1·0	300·5	302·4	9th	296·2	289·7	18th	298·3	*298·5*	+3·1	211	+ 186
618*a*	New Orleans	29 57	90 4	16·2	..	1016·6	— 0·3	303·3	305·2	1st	295·5	291·3	18th	299·4	*298·4*	+4·6	107	+ 82
619	Merida, Yuc.	20 58	89 38	22	1011·2	1013·6	..	..	303·7	5th	295·8	293·4	29th	299·7	*299·2*	..	82	+ 57
620	Havana	23 8	82 21	24·3	..	1015·9	+ 2·7	303·0	305·3	17th	297·0	294·4	28th	300·0	*299·7*	+1·1	21	− 4
620*a*	Key West	24 33	81 48	6·7	1015·7	1016·2	+ 2·4	303·2	304·7	1st	297·9	294·1	29th	300·6	*300·2*	+1·3	68	+ 43
621	Nassau, Bahamas	25 5	77 21	3·7	..	1015·2	+ 1·4	302·9	304·1	4th, 6th	297·3	295·8	29th	300·1	*300·1*	+0·6	14	− 11
622	Watling Island	24 6	74 26	33·5	1013·3	1017·1	+ 3·9	..	304·1	9th	..	297·4	25th	..	*300·9*	..	..	..
633	Izaña	28 19	16 30	2367	769·1	..	..	286·3	291·6	18th	278·7	272·9	28th	282·5	*281·7*	..	10	− 7
634	La Laguna	28 28	W16 20	547	952·2	1014·9	— 0·7	296·1	301·2	19th	286·9	281·6	8th	291·5	*290·9*	−0·3	33	+ 16
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	— 23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	1000·6	1011·9	+ 0·6	311·7	316·7	13th	295·3	292·6	2nd	303·5	*302·9*	+2·3	..	..
644	Tor	28 14	33 37	1·9	1013·1	1013·3	+ 0·8	302·6	305·7	18th	292·1	289·5	11th	297·3	*297·4*	+0·6	..	..
647	Bushire	28 59	50 53	4·3	1013·3	1014·0	+ 0·7	304·3	307·3	5th	295·8	292·7	30th	300·1	*299·4*	+0·7	0	− 1
648	Jask	25 44	57 47	4·0	1013·4	1013·8	+ 1·2	306·4	312·7	2nd	295·3	292·6	25th	300·8	*300·1*	−0·6	0	− 1
649	Robat	29 45	60 55	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
649*a*	Karachi	24 53	66 57	4·0	1012·1	1012·6	+ 0·7	303·7	308·6	3rd	295·2	290·6	28th	299·4	*298·7*	−0·1	0	− 1
650	Jacobabad	28 17	68 29	56·7	1005·4	1011·8	+ 0·7	310·9	315·2	2nd	289·7	283·7	27th	300·3	*299·5*	−0·1	0	− 1
651	Jaipur	26 56	75 52	436	964·2	1012·9	+ 0·6	307·6	309·4	5, 8, 9	291·0	285·3	27th	299·3	*298·6*	+0·1	134	+ 112
652	Nagpur	21 8	79 5	310	977·5	1012·5	?+ 0·7	304·4	306·2	10th	293·0	289·2	30th	298·7	*298·2*	−0·5	43	+ 21
653	Allahabad	25 25	81 51	94·1	1001·7	1012·5	+ 1·2	305·2	308·8	1st	292·7	285·7	31st	298·9	*298·1*	−0·2	20	− 2
653*a*	Darjiling	27 3	88 18	2266	778·4	..	— 0·1	291·1	293·2	8th	283·7	281·7	18th	287·4	*287·4*	+1·3	12	− 9
654	Calcutta	22 36	88 23	6·4	1010·7	1011·5	+ 0·4	304·7	306·8	3rd	296·5	292·4	28th	300·6	*300·3*	+0·7	..	..
655	Gauhati	26 8	91 41	59·7	1005·8	1012·6	+ 0·3	303·0	305·8	5th	295·4	292·8	28th, 29th	299·2	*298·5*	+0·2	24	− 11
655*m*	Cherrapunji	25 15	91 42	1314	870·0	..	+ 0·3	294·6	296·8	23rd	288·7	285·9	31st	291·7	*291·1*	−0·4	1135	+ 1100
655*a*	Akyab	20 11	92 56	6·1	1010·6	1011·3	+ 0·2	304·6	305·6	14th	297·2	294·8	31st	300·9	*300·5*	+0·1	107	+ 72
656	Mandalay	21 59	96 0	76·2	1003·7	1012·4	+ 0·9	307·2	309·6	21st	297·5	294·9	28th	302·3	*301·9*	+0·8	159	+ 124
656*a*	Tengyueh	24 59	98 35	1633	835·3	..	..	295·5	298·6	14th	284·4	279·7	23rd, 24th	289·9	*289·1*	..	57	+ 22
657	Phu Lien	20 48	106 37	116	1000·7	1014·2	+ 0·7	301·7	305·1	3rd	293·7	289·1	22nd	297·7	*297·3*	−0·5	10	− 25
658	Moncay	21 31	107 51	9·0	1013·3	1014·3	+ 0·7	301·3	304·0	17th	292·3	283·8	22nd	296·8	*298·0*	−1·4	9	− 26
659	Hong Kong	22 18	114 10	33·2	..	1014·2	+ 0·6	298·8	302·3	3rd	294·7	288·2	22nd	296·7	296·4	−1·3	119	+ 84
660	Amoy	24 27	118 4	ca.3	1016·0	1016·3	+ 0·5	299·2	303·6	2nd	293·8	288·6	24th, 25th	296·5	*296·3*	−1·5	65	+ 30
661	Taihoku, Formosa	25 2	121 31	9·3	1014·6	1015·7	+ 1·0	299·5	304·2	12th	291·8	286·1	25th	295·7	295·1	−1·0	53	− 36
661*a*	Basco (Santo Domingo)	20 28	121 59	18·7	..	1010·1	+ 0·3	302·5	304·8	14th	296·1	293·5	24th	299·3	*299·2*	−0·4	432	+ 347
662	Naha	26 13	127 41	10·5	1013·1	1014·3	+ 0·6	299·8	303·8	12th	293·1	288·9	25th	296·4	296·3	−0·7	150	+ 65
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1012·1	1012·5	— 1·3	302·0	303·8	2nd, 16th	295·9	290·8	23rd	298·9	298·6	+0·1	210	+ 167
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

OCTOBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
705	Colima	19 12	103 45	509	955·1	1009·8	..	303·5	305·4	25th	296·6	295·4	19th	300·0	*298·7*	..	64	..
706	Morelia	19 42	101 7	1923	809·1	1007·1	..	293·8	295·5	22nd	..	..	..	..	*299·4*	..	95	..
707	Mexico, Tacubaya	19 24	99 12	2309	775·2	1011·6	— 0·1	295·9	298·3	10th	283·0	280·4	28th	289·4	288·1	+0·5	80	+ 27
708	Salina Cruz	16 12	95 12	56	1004·9	1011·4	..	301·9	305·3	24th	296·6	294·2	6th	299·2	*298·3*	..	276	..
709	San Salvador	13 42	89 13	‡665	935·9	1010·3	— 0·4	306·4	308·6	24th	291·0	289·2	21st	298·7	*296·0*	+0·3	307	+ 41
710	Belize	17 29	88 12	5·2	1011·8	1012·5	+ 1·7	302·9	304·7	12th, 23rd	296·6	293·6	26th	299·7	*299·3*	—0·2	260	− 85
711	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·4	+ 1·6	304·4	306·7	7th	295·4	294·3	26th	299·9	*299·6*	+0·3	225	+ 12
712	Port au Prince	18 34	72 22	37·4	1009·1	1013·4	+ 1·4	306·4	308·3	2nd, 22nd	296·3	294·6	14th	301·4	*300·3*	+1·3	66	−116
713	Caracas	10 30	66 55	1042	899·5	1015·1	+ 1·5	299·1	302·1	2nd	288·6	286·7	31st	293·8	*292·9*	−0·5	96	− 1
714	Montserrat	16 41	62 9	39·6	1008·4	1012·9	— 0·5	304·0	306·9	1st	294·8	293·0	8, 11, 14	299·4	*298·8*	..	188	..
714*a*	Grenada (Richmond Hill)	12 5	61 46	155	993·5	1011·4	+ 0·3	303·0	305·2	2nd	296·8	295·2	10, 27, 28	299·9	*299·3*	+0·2	231	+ 45
715	Barbados	13 8	59 36	55·2	..	1012·5	+ 0·1	303·2	303·9	6th	295·7	294·1	2nd	299·4	*299·3*	+0·2	64	− 93
716	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·4	1013·6	+ 0·2	301·6	302·0	sev. dates	295·0	293·0	27th	298·3	*299·1*	—0·5	0	− 31
717	San Tiago, C. Verde Is.	14 54	23 31	?40	..	..	..	303·0	305·7	16th	298·4	296·3	2nd	300·7	*300·8*	+1·0	0	− 33
718	Bathurst	13 27	16 36	1·8	1012·9	1013·1	+ 1·0	305·3	306·9	3rd, 27th	..	..	..	..	*301·9*	+0·6	28	− 71
719	M'Carthy Island	13 33	14 45	1·1	..	..	..	308·7	310·8	2, 8, 14	296·7	295·2	5th, 10th	302·7	..	+1·0	24	− 16
720	Siggon	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
721	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
722	Sokoto	13 2	E 5 14	353	..	..	..	307·8	309·7	15th, 29th	294·7	291·3	24th	301·2	*300·5*	—0·4	12	+ 1
723	Kaduna Capital	10 32	7 25	637	944·3	1015·8	+ 1·6	303·3	305·8	17th	292·2	290·2	8th	297·7	*297·0*	+0·1	38	− 17
724	Hadejia	12 40	10 5	?	..	..	..	311·0	313·0	17th	293·5	290·8	9, 10, 26	302·3	*301·6*	+1·1	8	..
725	Maiduguri	11 47	13 11	361	..	..	..	312·3	314·1	28th, 31st	295·3	291·9	9th, 10th	303·8	*303·1*	+1·8	3	− 11
726	El Fasher	13 32	25 18	730	..	..	..	309·9	312·0	18th	292·2	289·0	8th	301·0	..	..	0	..
727	El Obeid	13 11	30 14	569	..	..	..	310·2	312·0	22nd	295·2	292·5	15th	302·7	*302·0*	+1·6	5	− 13
728	Khartoum	15 37	32 33	390	965·0	1008·1	+ 0·5	311·9	313·7	9th	297·4	295·4	30th	304·7	*304·6*	—0·1	0	− 5
729	Port Sudan	19 37	37 13	5·5	1009·2	1009·8	— 1·1	308·0	309·5	3, 4, 5	298·5	295·7	16th, 31st	303·3	*302·8*	+1·1	0	− 8
730	Berbera, Somaliland	10 22	45 2	9·5	1012·8	1013·9	+ 1·5	307·2	309·1	3rd, 24th	296·8	293·0	31st	302·0	*302·6*	+1·1	0	− 1
731	Aden	12 45	45 3	28·7	1010·0	1013·3	+ 0·7	304·1	306·2	5th	298·1	295·4	27th	301·1	*300·2*	—0·7	0	− 3
732	Bombay	18 54	72 49	11·3	1010·4	1011·6	— 0·1	304·4	306·3	31st	298·4	297·7	21, 25, 31	301·4	*300·8*	+0·8	39	− 5
733	Cochin	10 58	76 21	2·7	1011·8	1012·1	+ 0·6	303·5	305·1	24th	297·2	295·6	8th	300·3	*299·6*	+0·3	234	−104
734	Kodaikanal	10 14	77 28	2343	771·6	..	+ 0·5	291·1	293·0	3rd	284·0	282·1	8th	287·5	*287·5*	+0·7	214	− 56
735	Bangalore	12 59	77 38	920	911·2	1011·5	+ 0·6	301·5	303·8	28th	291·8	290·6	4th	296·7	*295·9*	+0·8	91	− 66
736	Madras	13 4	80 14	6·7	1010·3	1011·0	+ 0·5	304·8	308·7	9th	297·6	295·8	23rd	301·2	*300·4*	+0·3	218	− 76
737	Vizagapatam	17 42	83 19	11·6	1009·6	1010·9	+ 0·4	303·6	306·3	3rd	298·1	294·8	23rd	300·8	*300·1*	—0·1	306	+147
738	Port Blair	11 40	92 40	17·7	1009·2	1011·2	+ 0·4	303·8	305·2	23rd	298·6	296·4	8th	301·2	*300·5*	+0·5	186	− 95
739	Rangoon	16 46	95 48	5·5	1011·5	1012·2	+ 0·8	304·9	306·9	30th	297·8	294·7	1st	301·3	*300·4*	+0·7	166	− 11
740	Saigon	10 47	106 42	11·2	1008·5	1009·7	+ 0·3	304·1	305·6	3rd	296·5	294·4	4th	300·3	*299·8*	0·0	321	+ 55
741	Nhatrang	12 15	109 12	3·6	1009·0	1009·4	— 0·5	302·7	305·6	20th	296·3	293·7	26th	299·5	*299·1*	—0·3	134	−176
742	Bolinao	16 24	119 53	7·1	..	1006·9	— 0·5	305·3	307·0	10th	297·5	296·3	21st, 25th	301·4	*300·5*	+0·3	55	−129
743	Vigan	17 34	120 23	12·2	..	1008·4	— 0·2	305·6	308·0	15th	297·1	295·1	24th	301·3	300·9	+0·6	70	−112
744	Manila	14 35	120 59	14·2	..	1009·2	+ 0·1	303·9	305·5	16th	296·3	294·6	1st, 24th	300·1	299·2	—0·4	357	+164
745	Ormoc	11 0	124 36	5·6	..	1008·0	0·0	305·4	307·0	18th, 25th	296·1	294·5	22nd	300·7	*299·9*	+0·9	307	+ 72
746	Guam, Ladrone Is.	13 24	144 38	20·4	..	1006·9	— 1·1	303·6	305·2	6th, 7th	297·8	296·4	1st	300·7	*300·4*	+0·4	164	−176
		N.	E.															

OCTOBER—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
752	Fanning Island	3 55	159 23	3·1	..	..	..	304·8	307·4	7th	296·5	295·2	2, 18, 26	300·7	*300·2*	+0·6	0	− 97
753	Colon	9 23	79 23	11·0	..	1010·0	— 0·4	302·6	305·2	29th	296·9	294·7	4th	299·7	*299·3*	+0·4	557	+179
754	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	65	− 98
754	Merida, Venez.	8 36	71 9	1641	‡840·7	..	..	297·1	300·0	6th	288·3	287·0	16th	292·7	*291·6*	..	281	..
755	El Peru, Guayanavieja	7 19	61 49	220	984·6	1009·7	+ 0·2	..	..	..	..	..	..	..	‡*298·1*	+1·5	50	− 39
756	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1012·9	+ 1·2	304·1	305·2	7th	297·3	295·8	10th, 15th	300·7	*300·3*	+0·4	20	− 40
757	Paramaribo	6 50	58 12	1·8	..	1012·9	+ 1·2	304·1	305·2	7th	297·3	295·8	10th, 15th	300·7	*300·3*	+0·4	20	− 40
758	Cayenne	4 56	52 21	6	1013·4	1013·8	+ 1·6	305·1	307·2	13th	295·9	294·2	17th	300·5	*299·2*	—0·2	93	+ 20
759					..	..	..	304·4	305·2	sev. dates	296·3	294·8	13th	300·4	*299·9*	—0·8	0	− 34
760	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
761	Freetown, Sierra Leone	8 29	13 9	68·3	1005·3	1013·1	+ 1·2	303·2	305·2	17th	..	..	..	..	‡*299·7*	—0·6	165	−159
762	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	29	− 20
763	Accra	5 33	W 0 12	25·7	..	..	..	302·8	..	..	295·8	..	..	299·3	..	+0·6	61	+ 12
764	Lagos	6 27	E 3 24	4·6	1012·7	1013·2	..	301·9	303·6	..	296·2	294·1	..	299·1	*298·7*	—0·1	228	+ 32
765	Zungeru	9 48	6 10	130	..	..	..	305·6	306·9	sev. dates	294·3	293·0	15, 22, 27	299·9	*299·2*	0·0	70	− 10
766	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
767	Yola	9 12	12 30	259	..	..	..	306·2	308·6	15th, 29th	..	..	..	..	‡*299·5*	—0·5	54	− 24
768	Wau	7 42	28 3	440	959·5	1008·8	— 0·7	307·4	311·0	27th	294·0	292·5	sev. dates	300·7	*299·0*	+0·7	89	− 38
769	Malakal (Kodok)	9 35	31 37	394	965·5	1009·8	+ 0·8	307·8	310·1	21st	294·5	292·6	23rd	301·1	*299·3*	..	74	− 8
770	Mongalla	5 11	31 47	439	960·0	1009·4	+ 0·4	307·0	311·0	31st	..	..	..	..	‡*297·6*	..	54	− 55
771	Entebbe	0 5	32 29	1171	883·7	..	+ 0·2	300·1	304·4	31st	290·3	288·6	8th	295·2	*294·4*	+0·4	90	+ 1
772	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	156	− 64
773

OCTOBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure * Mean at Level of Station.	Pressure * Mean at M.S.L.	Pressure * Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	*300·7*	—0·2	36	—
924	Manaos	3 8	60 1	43·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
926	Taperinha	2 30	54 20	20·0	1008·8	1011·0	+ 0·4	305·7	308·8	10th	297·1	294·4	30th	301·4	*300·3*	—1·0	191	+ 3
927	Turyassu	1 43	45 26	15·1	1009·4	1011·2	0·0	305·2	307·2	28th	295·7	294·6	31st	300·4	*299·1*	—0·2	39	—
928	Barra do Corda	5 30	45 16	81·0	1000·9	1010·1	— 0·1	308·1	310·6	11th	296·1	294·0	28th	302·1	*300·1*	+0·3	0	—
929	Quixeramobim	5 16	39 15	207	988·9	1012·2	+ 0·3	308·1	310·2	2nd, 3rd	293·5	286·6	11th	300·8	*301·0*	+1·2	37	—
930	Fernando Noronha	3 50	W32 25	106	1001·6	1013·7	+ 0·3	306·1	307·1	31st	297·6	296·8	19th	301·8	*301·0*	—0·2	0	—
939	Loanda	8 49	E 13 13	59·3	..	1013·7	+ 1·2	298·3	300·0	15th, 27th	295·0	293·0	9th, 25th	296·7	296·4	+0·1	8	—
940	Brazzaville	4 17	15 16	320	976·2	1012·3	+ 0·2	306·4	309·0	sev. dates	295·2	294·0	sev. dates	300·8	*300·1*	+1·6	0	—
943	Masaka	0 21	31 47	‡1280	..	..	..	299·7	301·3	21, 23, 25	288·9	288·6	sev. dates	294·3	*293·1*	+0·5	27	—
944	Nairobi	1 14	36 44	1800	..	..	..	295·2	297·4	5th, 13th	285·2	279·7	10th	290·2	*289·5*	—1·4	78	—
944*a*	Zanzibar	6 10	39 11	21·9	1014·9	1017·3	+ 0·8	302·2	303·9	27th	297·3	296·2	4th	299·8	*298·8*	+0·5	102	+
945	Lamu	2 16	40 50	3·1	..	..	..	304·1	305·8	1st, 2nd	297·4	295·8	3rd, 6th	300·8	*300·3*	+0·9	82	—
947	Seychelles, Port Office	4 37	55 27	4·6	1012·9	1013·4	+ 1·1	301·4	302·5	..	298·3	296·3	..	299·8	*299·1*	+0·7	63	—
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	128	+
958	Batavia	6 11	106 50	8·0	1009·9	1010·8	+ 0·5	304·3	307·1	28th	296·3	295·2	3rd	300·3	300·0	+0·5	599	+
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	108	—
959	Passeroean	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	150	—
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	0	—
962	Ambon	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	0	—
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	32	—
965	Daru	9 4	143 13	7·6	..	1011·1	— 0·2	303·8	..	..	..	..	..	..	..	..	52	—
966	Port Moresby	9 29	147 9	39·0	..	1012·9	+ 1·4	301·7	..	..	..	..	..	..	‡*300·3*	—0·4	15	—
967																	1	—
968	Rendova	8 30	157 12	1·8	1010·4	1010·6	+ 0·8	..	..	..	..	..	..	298·8	*298·4*	—0·8		
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·2	1010·5	+ 0·5	304·0	306·7	26th	297·1	295·2	24th	300·6	*300·4*	+0·3	259	+
970	Ocean Island	0 52 S.	169 35 E.	54·0	1001·3	1007·4	— 1·0	303·8	306·9	31st	297·0	295·2	29th	300·4	*299·6*	—0·6	88	—
		8 22 S.	178 26 E.	16·8	..	1014·2	— 0·4	299·8	304·3	5th	293·9	290·4	17th	296·9	*296·7*	—0·5	440	+

OCTOBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure * Mean at Level of Station.	Pressure * Mean at M.S.L.	Pressure * Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·8	— 0·7	303·7	305·0	26th	296·3	294·4	25th	300·0	300·1	+1·2	62	—
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	303·6	306·3	18th, 31st	293·8	290·8	15th	298·7	*298·5*	+1·2	20	—
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·4	..	+ 0·2	293·7	295·2	4th	283·4	280·5	29th	288·6	*288·2*	+1·2	0	—
1022	Puerto de Arica	18 28	70 20	5	..	..	..	292·4	293·0	sev. dates	286·1	285·0	3rd	289·3	*291·1*	+0·7	0	—
1023																	..	..
1024	Sucre, Bolivia	19 30	64 24	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	996·8	1010·2	— 0·2	307·4	313·6	5th	295·3	292·0	8th	301·4	*300·2*	+1·3	69	—
1026	Cuyaba	15 36	56 6	165	990·5	1009·2	— 0·1	305·2	309·0	5th	298·6	295·9	29th	301·9	*301·7*	+0·8	159	+
1027	Bello Horizonte	19 55	43 57	857	918·4	1013·6	— 0·4	301·5	306·4	5th	289·9	286·6	4th	295·7	*295·1*	+0·7	64	—
1028	Caetite	14 3	42 37	900	915·6	1013·9	+ 0·8	302·1	306·3	28th	290·0	288·0	4th	296·0	*297·0*	+0·8	35	—
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·8	1014·3	0·0	300·9	302·2	28th	295·0	293·9	11th	298·0	*297·6*	+0·1	17	—
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	945·8	1017·9	— 0·4	291·3	293·3	19th	284·7	284·1	17th	288·0	*287·7*	+0·1	61	—
1042	Gwelo	19 28	E 29 48	1417	860·7	..	— 1·5	302·9	307·4	2nd, 3rd	282·8	279·1	10th	292·9	..	—1·6	35	—
1043	Salisbury, Rhodesia	17 48	31 5	1457	857·5	..	— 0·1	301·5	306·3	5th	283·8	281·3	12th	292·6	*291·5*	—1·9	62	—
1044	Zomba	15 23	35 18	996	909·1	1019·6	+ 1·7	302·3	306·3	20th	290·1	286·3	10th	296·2	*295·4*	—0·2	68	—
1045	Tananarive	18 55	47 32	1400	867·2	..	+ 1·4	299·5	302·6	7th	285·6	282·3	1st	292·6	*291·2*	—0·3	35	—
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1014·3	1014·8	+ 1·2	300·9	302·4	24th	296·7	295·3	15th	298·8	*298·4*	—0·8	57	—
1056																		
1057	Christmas Island	10 25	105 43	5·5	1010·4	1011·0	+ 0·8	304·6	305·8	..	295·9	293·6	..	300·2	*299·7*	0·0	20	—
1058																		
1061	Koepang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	0	—
1061*a*	Derby	17 18	123 40	16·2	1010·6	1012·5	+ 1·1	308·1	314·1	10th	295·8	291·3	15th	301·9	..	—0·2	0	—
1062	Hall's Creek	18 13	127 46	374	970·6	1011·4	+ 0·5	310·6	312·7	21st, 30th	292·7	286·9	18th	301·7	*301·1*	0·0	1	—
1063	Darwin	12 28	130 51	29·6	1007·9	1011·3	+ 1·1	306·1	308·0	29th	297·2	294·1	15th	301·7	*300·6*	—0·9	48	—
1064	Daly Waters	16 16	133 23	211	986·4	1009·6	— 0·2	311·3	313·6	11, 18, 31	294·0	288·0	16th, 17th	302·7	*302·1*	—0·2	1	—
1065	Mein	13 13	142 47	122	997·6	1011·3	+ 0·6	306·3	309·7	23rd, 24th	291·7	287·4	8th	299·0	..	—1·3	0	—
1066	Georgetown, Queensland	18 22	143 32	302	979·6	1013·0	+ 0·8	308·2	310·9	11th	292·4	287·4	1, 2, 26	300·3	..	—0·3	2	—
1067	Samarai	10 37	150 40	15·2	..	1013·4	+ 2·0	301·2	..	..	296·1	..	..	298·6	*298·4*	—0·4	55	—
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1014·2	— 0·4	299·8	304·3	5th	293·9	290·4	17th	296·9	*296·7*	—0·5	434	+
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

OCTOBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	* ..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·5	1016·7	0·0	288·9	290·8	26th	284·6	282·4	27th	286·7	*286·4*	0·0	3	+ 3
1122	Iquique	20 12	70 11	9	..	..	..	292·1	293·3	13th	285·1	283·6	18th	288·6	*289·6*	—0·7	0	0
1123	Catamarca	28 27	65 47	510	950·8	1008·3	— 1·5	302·0	311·5	26th	288·4	282·0	27th	295·2	295·1	—0·4	19	+ 1
1124	Salta	24 46	65 28	1178	882·1	1010·7	— 0·3	298·5	306·4	12th	286·8	282·2	30th	292·7	292·5	+0·3	45	+ 25
1125	Goya	29 9	59 15	26	1009·8	1012·8	— 0·6	299·2	306·5	17th	288·9	283·8	29th	294·1	293·5	+0·7	205	+ 90
1126	Asuncion	25 21	57 37	95	‡1005·1	‡1016·3	+ 2·0	303·3	311·0	12th	291·0	284·0	17th	297·1	295·8	0·0	326	+192
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1007·2	1014·4	— 0·6	298·1	305·0	18th	293·5	291·0	29th	295·8	295·6	+1·1	93	+ 6
1139	Windhoek	22 35	E 17 5	1680	..	..	..	300·8	304·1	5th	289·4	284·6	18th	295·1	*295·3*	+0·8	27	+ 18
1140																		
1141	Kimberley	28 42	24 47	1202	883·0	..	+ 0·8	303·2	308·7	28th	284·7	278·0	1st	293·9	293·9	+2·1	8	— 17
1142	Johannesburg	26 11	28 4	1806	825·2	..	+ 1·1	299·1	303·2	23rd	284·7	279·2	20th	291·9	*291·6*	+1·9	39	— 22
1143	Pretoria (Brooklyn)	25 46	28 13	1400	864·0	..	+ 0·9	302·0	305·9	24th	286·2	281·4	20th	294·1	*293·8*	+1·5	41	..
1144	Bulawayo	20 9	28 35	1340	869·8	..	+ 0·9	302·6	306·9	..	287·3	284·1	..	294·9	*294·6*	—0·5	9	— 14
1147	Durban	29 52	31 3	15·2	1017·8	1019·6	+ 0·6	297·2	300·0	16th	289·8	286·9	14th	293·5	*292·9*	+0·6	39	— 79
	Lorenzo Marques	25 58	32 36	59	..	1018·0	+ 1·7	300·6	311·0	16th	290·6	287·4	9th	295·6	294·9	—0·6	13	— 63
1150	Mauritius	20 6	57 33	55·2	1011·9	1018·4	+ 0·2	299·6	302·1	31st	290·8	286·9	1st	295·2	294·9	—0·3	32	— 3
1159	Onslow	21 43	114 57	4·3	1012·3	1013·1	+ 0·4	306·1	315·6	26th	289·7	284·9	13th	297·9	..	+1·0	0	— 1
1160	Peak Hill	25 38	118 47	588	?947·0	?1012·2	+ 0·2	302·5	310·9	28th	287·3	282·2	13th	294·9	..	—0·3	6	+ 1
1161	Nullagine	21 53	120 5	386	969·6	1011·8	+ 0·3	308·6	314·1	27th	291·0	283·0	13th	299·8	..	+0·9	0	— 6
1162	Laverton	28 40	122 23	466	962·6	1015·1	+ 0·6	300·3	311·9	28th	286·0	279·6	7th	293·1	*293·0*	+0·2	33	+ 25
1163	Alice Springs	23 38	133 37	587	947·7	1012·2	+ 0·1	304·6	312·4	20th	285·7	278·6	15th	295·1	*295·1*	—0·8	0	— 19
1164	William Creek	28 55	136 21	762	1006·0	1014·8	+ 0·4	302·7	315·5	31st	285·6	279·7	8th	294·2	*293·9*	—0·1	3	— 7
1165	Boulia	22 55	139 38	146	995·5	1011·8	+ 0·1	307·6	313·6	31st	289·2	282·4	4th	298·4	*298·4*	—0·8	0	— 12
1166	Thargomindah	27 58	143 43	123	999·3	1013·3	— 0·5	304·2	314·3	30th	287·8	281·5	4th	296·0	*295·7*	+0·5	3	— 18
1167	Mitchell	26 32	147 52	336	975·9	1013·0	..	303·8	311·1	31st	284·6	277·2	5th	294·2	..	+0·7	10	— 25
1168	Rockhampton	23 24	150 30	11·3	1013·9	1015·2	— 0·3	303·4	308·0	25th	289·7	284·3	4th	296·6	..	—0·3	40	— 6
1169	Brisbane	27 28	153 2	41·7	1011·0	1015·8	— 0·3	299·4	306·6	9th	288·7	285·4	4th	294·1	*293·4*	+0·1	22	— 45
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1014·7	1016·4	— 1·3	293·7	297·0	16th	288·5	282·4	1st	291·1	*290·7*	—0·1	98	— 6

Between Latitude 30° S. and 40° S.

OCTOBER—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
1201	Juan Fernandez	33 37	78 50	10	..	..	..	288·6	291·9	10th	283·0	280·2	9th	285·8	*286·2*	—0·2	20	— 23
1202	Punta Tumbes	36 37	73 6	91	‡1006·8	‡1017·9	— 0·4	287·9	292·0	9th	280·8	279·0	1st	284·3	*284·4*	—0·6	3	— 12
1203	Punta Angeles, Valparaiso	33 1	71 38	41	1011·5	1016·4	— 1·4	290·4	296·5	28th	282·4	279·6	27th	286·4	*286·0*	—1·2	6	— 5
1204	Santiago	33 27	70 42	520	955·0	1015·5	+ 0·5	297·3	306·2	..	284·1	276·1	..	290·7	290·4	0·0	101	+ 40
1205	Cordoba	31 25	64 12	423	965·2	1014·2	+ 0·7	293·3	300·5	30th	281·3	276·0	6th	287·3	287·2	—0·8	111	+ 54
1206	Bahia Blanca	38 45	62 15	25	..	1015·9												
1207	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1016·6	+ 0·2	293·5	301·4	31st	282·8	278·4	14th	288·1	288·1	—2·0	40	— 46
1208	Montevideo (Prado)	34 52	56 12	24·9	1013·7	1016·7	— 0·2	292·5	300·5	31st	281·5	275·4	1st	287·0	287·4	—0·5	32	— 31
1209	Porto Alegre	30 2	W51 13	23·5	1013·1	1015·9	— 0·6	296·2	304·1	17th	287·2	280·9	30th	291·7	291·3	+0·1	96	+ 25
1240	Cape Town	33 56	E 18 29	12·2	..	1018·2	+ 0·7	294·8	304·8	10th	284·3	280·5	3rd	289·6	*288·6*	+0·4	8	— 35
1241	Danger Point	34 37	19 18	27·7	1015·3	1018·6	..	291·6	298·6	10th	285·4	279·1	14th	288·5	..	..	44	+ 10
1242	Riversdale	34 6	21 16	?61	1006·8	1014·1	..	297·7	311·9	10th	283·1	275·2	14th	290·4	..	..	37	..
1243	East London	33 1	27 54	9·8	1016·8	1018·0	+ 0·9	295·2	298·6	1, 10, 30	287·8	283·0	14th	291·5	..	+1·1	98	— 5
1259	Perth (Observatory)	31 57	115 51	60·0	1010·7	1018·1	+ 1·2	291·9	297·4	21st	283·7	279·7	12th	287·8	*287·6*	—1·3	55	+ 1
1260	Katanning	33 42	117 35	310	980·3	1017·0	+ 1·3	291·6	299·3	24th	280·3	273·9	20th	285·9	..	—1·0	47	+ 7
1261	Coolgardie	30 57	121 10	423	966·5	1014·9	0·0	296·6	307·7	25th	282·5	275·7	7th	289·6	*289·5*	—1·0	16	— 3
1262	Eucla	31 45	128 58	4·6	1014·7	1015·2	0·0	294·0	313·9	29th	284·2	279·4	8th	289·1	*288·6*	—0·9	34	+ 16
1263	Streaky Bay	32 48	134 13	13·1	1014·5	1015·9	+ 0·1	297·4	310·2	29th	284·6	278·2	25th	291·0	*290·4*	+1·1	18	— 6
1264	Adelaide	34 56	138 35	42·7	1011·0	1016·0	+ 0·1	296·1	312·3	30th	283·9	277·8	25th	290·0	*289·7*	+0·4	20	— 24
1265	Melbourne	37 49	144 58	35·1	1010·9	1014·9	+ 0·2	293·6	307·7	30th	282·5	275·8	4th	288·1	*287·9*	+0·9	42	— 24
1266	Bourke	30 13	145 58	110	1005·9	1018·6	+ 0·5	304·1	315·2	31st	286·4	279·7	4th	295·2	..	+0·8	3	— 23
1271	Sydney	33 51	151 13	44·5	1010·1	1015·3	+ 0·3	295·2	303·6	21st	286·1	281·1	3rd	290·6	*290·6*	+0·1	121	+ 46
1272	Lord Howe Island	31 20	159 0	4·6	1015·2	1015·9	— 0·9	294·6	297·3	26th	288·2	282·7	12th	291·4	..	+0·1	130	— 9
	Auckland	36 50	174 50	38·1	..	1015·2	..	289·7	291·9	27th, 29th	282·4	278·6	4, 13, 26	286·1	..	—1·0	103	+ 12
	Napier	39 32 S.	176 53 E.	21·3	..	1013·0	+ 0·1	291·8	294·7	13th, 14th	281·4	276·6	18th	286·6	..	—0·6	26	— 38

Between Latitude 40° S. and 50° S.

OCTOBER—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	24	— 34
1302	Isla Guafo	43 34	74 45	140	1001·4	1018·6	+ 0·5	283·9	287·9	9th	278·8	277·0	24th	281·3	*281·2*	—0·8	66	+ 11
1303	Punta Galera	40 1	73 44	40	1014·7	1019·6	+ 1·0	284·8	287·0	23rd	280·6	278·2	17th	282·7	*283·2*	—0·7	79	— 28
1304	Sarmiento	45 30	69 0	274	..	1011·6	..	280·9	295·3	10th	277·7	273·5	6th	283·8	283·8	—0·6	12	+ 7
1305	Puerto Madryn	42 49	W64 58	14	..	1014·0	..	292·0	299·6	19th	280·0	274·3	4th	286·0	285·8	—0·5	13	— 3
1306	Launceston	41 27	E147 10	10·1	1010·6	1011·8	+ 0·4	291·7	299·9	31st	280·6	273·1	3rd	286·1	*285·3*	+1·0	47	— 21
1307	Hobart	42 53	147 20	53·9	1003·8	1010·3	— 0·1	290·9	300·4	30th	281·7	275·8	3rd	286·3	*285·6*	+1·1	46	— 11
1310	Invercargill	46 25	168 21	5·5	..	..	..	287·1	292·4	19th	278·3	271·9	5th	282·7	..	—0·9	176	+ 55
1311	Dunedin	45 52	170 31	91·4	..	1010·0	+ 1·4	289·1	296·3	18th	278·8	274·7	3, 4, 31	283·9	..	+0·5	59	— 18
1312	Christchurch	43 31	172 38	7·0	..	1011·3	+ 0·6	290·2	297·2	23rd	279·8	273·5	5th	285·0	..	+0·3	36	— 6
1313	Wellington	41 16 S.	174 46 E.	2·4	..	1014·3	+ 2·7	288·8	293·4	27th	282·1	277·8	16th	285·4	..	0·0	50	— 55
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

OCTOBER—ZONE 14. Table representing the Meteorolgy of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas .	52 24	75 6	55	1001·2	1008·0	+ 3·3	279·8	281·6	28th	276·7	273·5	31st	278·3	*278·1*	—0·5	223	— 5
1422	Puerto de Punta Arenas .	53 10	70 54	4	1005·0	1005·5	+ 2·4	284·6	290·5	22nd	275·8	270·8	31st	280·2	*280·2*	+0·6	3	— 5
1423	Punta Dungeness . .	52 24	68 26	5	1004·6	1005·2	+ 1·7	283·7	291·6	22nd	275·5	274·0	31st	279·6	*279·9*	+0·1	4	— 5
1424	Santa Cruz . . .	50 11	68 21	12	..	1008·2	+ 0·7	288·0	296·9	22nd	276·2	271·3	3rd	282·1	282·0	—0·4	14	— 7
1424*a*	Año Nuevo . . .	54 39	64 8	50	995·2	1001·3	+ 0·7	280·4	285·3	27th	275·3	271·7	6th	277·8	277·6	+0·3	29	— 28
1425	Stanley, Falkland Is. .	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	26	..
1426	Cape Pembroke . .	51 41	57 42	21	..	1004·0	— 0·4	280·2	285·8	23rd	274·3	272·4	sev. dates	277·3	277·5	—0·8	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

OCTOBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys. . .	60 44 S.	44 39 W.	7	986·7	987·6	— 5·7	272·2	277·2	9th	266·9	258·6	7th	269·5	269·5	↓+0·3	20	— 4
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—OCTOBER, 1919.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17½h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	..	..	SE	NE 1 Calm 0	N 1 W 1	E 7	ESE 2	SSE 3 SE 3	Calm 0
2	..	..	SE	NE 1 Calm 0	W 1 E 1	NE 7	Calm 0	SE 3 SE 2	E 3
3	..	..	SE	NE 1 SW 1	E 1 W 1	NE 7	Calm 0	SE 2 SSW 2	SE 3
4	..	..	SE	NE 1 Calm 0	W 2 S 1	SE 6	Calm 0	W 2 W 2	E 3
5	..	..	SE	Calm 0 SW 2	SE 1 NW 1	SE 6	ESE 2	W 2 W 3	SE 3
6	..	..	SE	NE 1 Calm 0	W 1 E 2	SE 6	Calm 0	W 2 W 2	Calm 0
7	..	..	SE	ENE 2 Calm 0	W 2 E 1	E 5	ESE 2	W 2 NW 3	Calm 0
8	..	..	SE	ENE 1 SW 1	E 2 S 1	SE 7	E 2	NE 2 N 2	NE 3
9	..	..	SE	E 1 Calm 0	E 1 SW 2	SE 7	Calm 0	W 1 W 2	Calm 0
10	..	..	SE	ENE 3 W 2	W 2 SW 1	SE 6	SE 4	W 2 W 5	Calm 0
11	..	..	SE	SW 1 Calm 0	E 2 E 2	NE 7	SE 4	W 3 W 3	Calm 0
12	..	..	SE	NE 1 SW 1	E 1 S 1	SE 7	SE 2	WSW 2 S 3	Calm 0
13	..	..	SE	NE 1 SW 2	E 1 E 2	E 7	SE 2	E 5 NE 4	SE 3
14	..	..	SE	ENE 1 SSW 3	E 1 SE 3	NE 7	ESE 2	E 4 NE 3	Calm 0
15	..	..	SE	ENE 3 SW 2	S 1 S 1	SE 6	Calm 0	NE 3 NE 3	Calm 0
16	..	..	SE	Calm 0 SW 2	S 1 SE 2	SE 5	Calm 0	NNE 2 W 3	Calm 0
17	..	..	SE	E 1 SW 2	N 1 E 1	NE 6	Calm 0	W 4 W 4	Calm 0
18	..	..	SE	Calm 0 Calm 0	S 1 S 1	SE 7	SE 2	NW 3 WNW 4	Calm 0
19	..	..	SE	Calm 0 SSW 1	W 1 W 2	E 7	Calm 0	SW 4 SW 4	SE 3
20	..	..	SE	Calm 0 Calm 0	N 1 E 1	E 7	Calm 0	SW 4 WNW 3	Calm 0
21	..	..	SE	NNW 1 Calm 0	E 2 E 1	E 7	Calm 0	SW 4 W 4	Calm 0
22	..	..	SE	NE 2 SW 1	S 1 SE 1	SE 5	Calm 0	WNW 5 W 5	Calm 0
23	..	..	SE	SW 1 Calm 0	N 1 E 1	SE 4	SE 2	WNW 4 W 4	Calm 0
24	..	..	SE	Calm 0 SSW 1	E 2 SE 2	NE 4	Calm 0	WNW 4 NW 4	Calm 0
25	..	..	SE	Calm 0 Calm 0	W 1 SE 1	NE 5	Calm 0	WNW 4 NW 4	Calm 0
26	..	..	SE	Calm 0 SW 1	SE 1 E 1	NE 5	SE 2	W 2 W 2	Calm 0
27	..	..	SE	Calm 0 Calm 0	S 2 E 1	NE 5	Calm 0	N 1 NW 3	Calm 0
28	..	..	SE	ENE 1 Calm 0	E 1 Calm 0	NE 5	SE 2	W 2 W 2	Calm 0
29	..	..	SE	Calm 0 Calm 0	E 2 E 1	SE 6	Calm 0	W 4 W 3	Calm 0
30	..	..	SE	NE 1 SW 1	N 1 Calm 0	NE 6	SE 4	NW 2 W 3	Calm 0
31	..	..	SE	Calm 0 Calm 0	S 1 Calm 0	NE 6	Calm 0	SSW 3 SW 2	Calm 0
Mean	..	..	..	0·8 0·7	1·3 1·2	6·0	1·1	2·9 3·1	2·1
§Resultant	..	..	135° (100)	140° (5)	130° (31)	90° (76)	125° (43)	270° (50)	115° (16)
§Normal	145° (92)	8·7	‖131° (72)	261° (15)	245° (33)	85° (83)	136° (83)	115° (38)	100° (16)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 632 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—OCTOBER 1919.

‡‡ *Spitsbergen.*—The west coast was free of ice. During the last days of the month there was much brash in the fjords.
‡‡ *Iceland* was ice free as usual in this month.
‡‡ *Denmark Strait.*—Off Angmagsalik the sea was free of ice, and the bay ice was passable from the 1st, though broken now and then by heavy swell.
‡‡ *N. Atlantic and Labrador.*—A few icebergs were observed on the Newfoundland Banks, and several icebergs met with to a distance of 150 miles off Belle Isle.
‡‡ *Davis Strait.*—Some icebergs were observed off Cape Farewell and, on a few days, some strips of washed "Storis."

‡‡ *Isforholdene i de Arktiske Have*, 1919 and 1920, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, NOVEMBER 1919.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF NOVEMBER 1919 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

NOVEMBER—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay . . .	77 27	66 40	?	1012·0	..	+ 0·6	..	276·1	4th, 5th	..	252·0	30th	..	*260·4*	..	7	..
125	Upernivik	72 47	W56 7	18·9	1010·0	1012·4	+ 3·4	270·9	281·3	3rd	263·7	257·5	2nd	267·3	*267·8*	+4·7	83	+ 59
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1012·8	1014·3	+ 7·1	..	269·6	3rd	253·9	245·0	26th	..	257·6	—2·1	19	— 11
141	Gjesvaer	71 6	25 22	6·5	1007·4	1008·2	+ 3·1	..	278·3	2nd	269·1	264·2	16th	..	*271·2*	—0·3	113	+ 42
142	Mehavn	71 1	27 47	6·4	1007·1	1007·9	+ 4·4	..	278·4	2nd	268·2	263·3	10th	..	*270·5*	—0·6	45	— 31
143	Vardö	70 22	31 8	10·0	1007·4	1008·7	+ 2·5	..	276·6	4th	267·9	264·0	24th	..	*270·1*	—0·8	55	— 7
145	Malye Karmakouly . .	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
146	Waigatz	70 24	58 47	11·2	?1007·4	?1008·8	— 1·2	268·5	279·4	1st	257·2	245·5	18th	262·8	*260·7*	..	10	..
157	Mandhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

NOVEMBER—ZONE 2. Between Latitude 70° N. and 60° N.

203	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
204	Nome	64 30	165 24	6·7	..	1011·2	+ 4·9	268·2	274·1	13th	262·7	248·0	19th, 20th	265·4	*265·7*	+1·3	44	+ 20
205	Candle	65 55	161 57	2·4	..	..	..	265·8	274·1	30th	258·3	244·1	18th	262·1	..	..	..	..
206	Tanana	65 10	152 6	67·1	..	1014·5	+ 4·8	257·1	274·1	30th	250·6	235·2	23rd	253·8	*254·1*	—0·5	29	+ 14
207	Rampart	65 30	150 15	122	..	..	..	256·9	271·3	29th	250·7	233·0	23rd	253·8	..	..	25	+ 9
208	Valdez	61 7	146 16	8·2	..	1010·1	+ 6·9	272·9	278·0	17th	265·8	258·6	25th	269·3	*269·3*	—0·4	47	— 55
209	Eagle	64 46	141 12	254	..	1017·6	+ 6·2	256·0	265·8	13th	250·1	229·1	23rd, 24th	253·0	..	—3·8	20	+ 8
210	Dawson	64 4	139 20	328	977·6	1021·9	+ 9·7	253·0	262·4	14th	247·4	233·0	24th	250·2	..	—5·6	95	+ 65
211	Carcross	60 11	134 34	662	..	..	..	265·2	278·6	18th	256·3	241·3	24th, 25th	260·7	..	—4·4	11	— 14
212	Fort Good Hope . .	66 25	128 53	65·2	1013·0	1022·2	..	251·3	262·4	26th, 27th	241·9	229·7	23rd	246·6	..	..	4	— 25
213	Fort Simpson . .	61 52	121 35	129	1002·0	1019·5	..	258·0	267·4	1st	250·8	238·0	24th	254·4	..	—0·4	15	— 8
214	Hay River . . .	60 51	115 20	161	998·1	1019·7	..	261·9	274·1	18th	251·9	236·3	30th	256·9	..	—1·7	19	..
215	Jacobshavn . . .	69 13	51 2	12·6	1009·6	1011·2	+ 3·4	270·9	285·1	2nd	266·1	254·9	30th	268·5	*268·2*	+3·9	36	+ 20
216	Godthaab . . .	64 11	51 43	9·0	1006·0	1007·2	+ 3·8	272·4	282·4	2nd	268·2	260·4	30th	270·3	*270·4*	+1·9	..	..
217	Ivigtut	61 12	48 10	5·0	1009·6	1010·2	+ 7·9	274·5	287·3	2nd	270·2	260·0	30th	272·3	*271·7*	+1·7	199	+ 87
218	Angmagsalik . . .	65 37	37 33	31·7	1009·6	1013·6	+10·3	271·1	280·5	1st	267·0	260·9	18th	269·1	*269·3*	+1·4	67	— 24
231	Stykkisholm . . .	65 5	22 46	11·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
232	Vestmanno . . .	63 26	20 15	7·7	1011·1	1012·1	+ 8·2	275·8	281·1	1st	270·8	263·5	15th	273·3	*273·2*	—2·7	98	— 34
234	Grimsey	66 33	17 58	22	1011·4	1014·2	+ 7·7	272·8	277·9	3rd	..	..	..	..	*270·8*	—2·2	..	..
235	Berufiord	64 40	14 19	18·0	1009·5	1011·7	+ 6·5	273·6	280·2	3rd	267·7	261·8	15th	270·7	*271·1*	—2·8	15	— 96
236	Thorshavn . . .	62 3	6 45	26·3	1005·4	1008·7	+ 2·8	276·5	281·7	17th	271·6	266·8	14th	274·1	*274·2*	—3·5	140	— 26
237	Lerwick	60 9 W	1 8	18·0	1005·5	1007·7	+ 0·8	278·7	282·4	22nd, 23rd	274·1	270·8	14th	276·4	*276·8*	—2·5	124	+ 16
238	Bergen (Met. Obs.) .	60 24	E 5 19	44·4	1002·4	1007·9	— 3·1	275·6	281·2	23rd	271·8	267·0	16th	273·7	*273·9*	—3·1	142	— 36
239	Christiansund . .	63 7	7 45	17·8	1005·9	1008·1	— 2·1	..	278·2	1st	270·9	260·8	17th	..	*273·8*	—3·0	61	— 50
240	Trondhjem . . .	63 26	10 25	39·5	1005·1	1010·1	+ 0·2	272·3	277·3	1st	265·9	259·3	17th	269·1	*269·5*	—4·1	17	— 91
241	Bodö	67 17	14 24	22·4	1008·0	1010·8	+ 3·7	..	277·0	20th	268·4	263·2	8th	..	*270·7*	—3·1	7	—119
242	Haparanda . . .	65 50	24 9	9·2	1011·7	1012·9	+ 2·9	268·9	274·0	20th	262·8	250·5	17th	265·9	*266·0*	—2·0	38	— 9
243	Helsingfors . . .	60 10	24 57	11·7	1013·6	1015·1	+ 1·1	270·9	276·4	28th	266·6	255·8	17th	268·8	269·0	—4·4	73	+ 11
244	Knopio	62 54	27 40	90·3	1003·5	1015·1	+ 1·9	269·0	274·3	29th	264·2	254·5	16th	266·6	*267·0*	—3·3	36	— 11
245	Kola	68 53	33 1	6·7	1009·4	1010·3	+ 1·7	268·5	274·0	5th	261·7	252·6	19th	265·1	*265·7*	—0·8	30	+ 6
246	Petrozavodsk . .	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Arkhangelsk . .	64 35	40 36	6·2	1012·0	1012·8	+ 1·6	268·7	274·2	27th	262·9	251·8	23rd	265·8	*266·2*	—1·1	36	+ 5
248	Mezen	65 50	44 16	12·6	1009·2	1010·8	+ 1·6	267·7	273·8	27th	261·3	249·8	11th	264·5	*265·1*	0·0	32	+ 16
249	Oust-Tsylma . . .	65 25	52 14	? 70	1003·1	1012·3	— 0·8	264·0	273·2	27th	257·6	236·3	19th	260·8	*260·7*	—2·5	25	..
250	Tcherdyn	60 24	56 31	? 177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
253	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 23	86 4	20	1001·8	1004·5	— 8·7	..	265·9	26th	247·6	238·2	7th	..	*252·6*	..	8	..
262	Touroukhansk . .	65 47	87 57	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
263	Iakoutsk	62 1	129 43	108	1006·2	1021·3	— 1·9	..	258·8	21st	243·1	228·5	24th	..	*247·1*	+2·9	7	— 3
271	Verkho'ansk . . .	67 33	133 23	100	1001·4	1015·8	— 0·9	..	261·4	19th	234·8	225·3	26th	..	*238·9*	+2·8	6	— 1
272	Markovo-sur-Anadyr .	64 45	170 50	25·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Novo-Mariinskii Post .	64 45 N.	177 33 E.	22·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

NOVEMBER—ZONE 3. Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1007·1	+ 3·9	276·2	278·6	6, 7, 30	273·2	268·0	18th	274·7	..	..	46	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1008·4	+ 6·5	277·4	281·9	29th	272·7	268·0	16th, 19th	275·1	..	+0·4	57	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	272·1	278·6	12th	264·1	253·6	17, 20, 22	268·1	..	..	47	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	1005·7	+ 5·4	277·6	283·0	10th	272·2	266·3	21st	274·9	..	..	124	..
309	Sitka	57 3	135 19	27·4	..	1010·1	+ 4·5	278·7	284·1	17th	271·1	265·2	25th	274·9	*274·7*	—1·8	234	..
310	Prince Rupert	54 18	130 18	51·8	1003·4	1009·9	+ 2·2	278·6	287·4	17th	275·2	268·6	5th, 7th	276·9	*276·6*	—1·2	268	..
311	Barkerville	53 2	121 35	1274	865·4	1015·3	— 0·8	270·2	280·2	17th, 18th	262·4	248·0	11th	266·3	*266·3*	—2·0	129	..
312	Kamloops	50 42	120 29	385	976·8	1024·7	+ 4·4	275·2	288·6	23rd	269·1	256·3	12th	272·2	*272·2*	—2·9	49	..
313	Calgary	51 2	114 2	1045	893·6	1018·9	+ 1·9	273·6	289·1	16th	259·1	248·0	26th	266·3	*265·5*	—3·6	20	..
314	Fort Chipewyan	58 42	111 10	218	990·4	1019·1	..	263·6	277·4	21st	254·1	238·0	29th	258·8	*259·0*	—2·6	22	..
315	Prince Albert	53 10	105 38	442	964·1	1020·7	+ 5·1	266·3	283·0	16th	257·4	241·9	30th	261·9	*261·6*	—3·6	26	..
316	Qu'Appelle	50 30	103 47	645	939·2	1020·5	+ 4·9	266·3	280·8	16th	257·4	240·2	30th	261·9	*261·6*	—5·4	11	..
317	Minnedosa	50 15	99 50	515	955·1	1020·8	+ 3·6	266·3	278·0	17th	256·3	240·8	30th	261·3	*261·1*	—6·0	133	..
318*a*	Port Nelson	57 4	92 36	14·9	1013·0	1015·0	+ 0·4	266·5	274·7	22nd	253·6	245·2	25th	260·1	..	—6·3	33	..
319	Fort Hope	51 33	87 49	‡260	983·9	1016·9	..	265·8	276·3	20th	255·2	239·1	25th	260·5	*260·2*	..	28	..
320	Moose Factory	51 14	80 30	9·1	1011·8	1013·0	— 1·9	269·7	280·8	11th	260·8	243·0	26th	265·2	..	—3·0	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	268·6	278·6	11th	262·4	252·4	27th	265·5	*265·6*	..	62	..
322	Mistassini Post	50 15	73 55	383	..	..	..	269·9	278·0	sev. dates	251·4	239·1	27th	265·7	..	+0·8	..	..
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	274·3	279·1	11th	266·8	255·8	27th	270·6	..	+0·7	110	..
326	Belle Isle	51 53	55 23	133	996·5	1013·4	+ 5·3	272·9	276·9	14th, 24th	268·1	258·0	27th, 28th	270·5	*270·3*	0·0	64	..
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1010·1	1011·8	— 0·8	280·7	286·3	23rd	275·5	268·6	12th	278·1	278·2	—3·5	82	..
335	Aberdeen	57 10	W 2 6	26·8	1004·7	1008·0	— 1·6	277·5	285·2	23rd	273·1	262·4	14th, 15th	275·3	275·4	—3·3	114	..
336	Greenwich	51 28	0 0	46·3	1002·9	1008·7	— 5·4	279·6	286·3	23rd	274·4	269·7	30th	277·0	276·9	—2·7	30	..
337	Uccle	50 48	E 4 22	100	995·2	1007·7	— 7·2	278·6	284·9	24th	273·0	268·9	15th	275·8	275·5	—3·1	115	..
338	De Bilt	52 6	5 11	3·0	1007·6	1008·0	— 6·6	277·4	285·3	24th	272·3	264·5	17th	274·9	274·8	—2·9	58	..
338*a*	Hamburg	53 33	9 58	26·0	1005·9	1009·1	— 5·7	275·8	284·0	24th	271·3	262·0	17th	273·5	*273·4*	—4·0	82	..
339	Copenhagen	55 41	12 36	5·0	1009·4	1010·0	— 3·3	275·6	281·9	24th	272·5	266·5	17th	274·1	*274·3*	—3·4	38	..
340	Potsdam	52 23	13 4	84·9	999·1	1009·9	— 5·6	274·2	283·5	24th	270·1	261·0	18th	272·1	271·9	—4·5	91	..
340*a*	Upsala	59 51	17 38	24	1009·3	1012·3	— 0·4	272·0	276·0	20th	267·0	255·3	11th	269·5	269·5	—3·4	55	..
341	Warsaw	52 13	21 1	133	996·0	1012·8	— 4·3	272·1	279·5	30th	267·4	254·0	18th	269·7	269·8	—5·0	60	..
342	Dorpat (Jurjev)	58 23	26 43	74·5	1007·1	1016·7	+ 3·7	269·5	277·1	25th	265·3	258·0	17th	267·4	267·3	—5·1	16	..
343	Petrograd	59 56	30 16	4·8	1016·0	1016·6	+ 2·4	269·7	276·2	25th	265·7	259·7	20th	267·7	*267·9*	—3·7	18	..
344	Kiev	50 27	30 30	183	993·5	1016·7	— 2·3	272·2	277·5	7th	267·0	255·5	19th	269·6	*269·5*	—4·5	90	..
345	Moscow	55 50	37 33	167	997·4	1019·1	+ 1·5	267·1	274·9	25th, 26th	262·4	253·3	21st	264·8	*264·9*	—5·7	29	..
346	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	52	..
347	Kazan	55 47	49 8	79·9	1010·0	1020·5	+ 1·1	265·7	271·6	6th	260·0	249·3	29th	262·8	*263·0*	—6·1	50	..
348	Perm	58 1	56 16	159	998·2	1019·1	+ 0·3	..	271·5	27th	258·5	246·3	19th	265·7	*265·6*	—2·9	44	..
349	Ekaterinburg	56 50	60 38	281	983·2	1019·7	— 0·9	265·1	272·2	7th	258·3	247·5	24th	261·7	*261·6*	—4·0	39	..
350	Tobolsk	58 12	68 14	?108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	1005·8	1022·0	— 2·3	..	275·4	10th	257·7	240·5	21st, 22nd	..	*261·8*	0·0	..	..
355	Minousinsk	53 43	91 41	249	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 10	77·6	1009·9	1020·2	— 3·7	..	277·8	19th	257·2	244·3	21st	..	*261·1*	+0·8	30	..
357	Irkutsk	52 16	104 19	467	966·3	1026·3	— 2·3	..	277·4	10th	256·8	245·8	17th	..	*262·2*	—0·1	18	..
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	681	936·0	1023·1	— 3·3	..	271·5	13th	250·8	240·3	23rd	..	*256·8*	—1·8	12	..
360	Nertchinskii Zavod	51 19	119 37	626	941·4	1021·4	— 4·0	..	271·0	1st	253·6	243·0	24th	..	*258·0*	+0·7	11	..
361	Tygan Ourkan	54 5	124 46	379	969·0	1018·7	..	261·0	269·2	13th	250·2	235·7	24th	255·6	*255·8*	..	22	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	998·7	1017·4	— 2·9	266·3	275·9	2nd	255·5	245·3	27th	260·9	*260·9*	—0·3	17	..
363	Paikanskii Sklad	50 11	130 7	145	..	..	..	..	..	..	..	..	..	..	..	..	..	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1009·1	1011·9	— 0·4	..	277·5	2nd	258·1	239·3	25th	..	*263·2*	+0·1	51	..
366	Okhotsk	59 21	143 12	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1002·2	1003·9	— 0·9	274·4	280·2	4th	268·8	262·5	19th	271·6	*271·6*	..	98	..
369																		
371	Attu Island	52 56	173 13	4·9	..	1004·7	0·0	277·9	282·4	2nd	272·3	266·9	11th, 12th	275·1	..	..	175	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N. **NOVEMBER—ZONE 4.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·1	1017·8	+ 2·3	281·3	285·8	16th	276·9	271·9	26th, 27th	279·1	278·9	—0·5	140	— 24
412	Portland, Oregon	45 32	122 41	46·6	1014·6	1020·3	+ 1·7	283·2	291·3	16th	277·3	269·7	27th	280·2	*280·2*	—0·4	189	+ 23
413	Macleod	49 44	113 24	953	..	..	..	274·5	292·4	10th	263·2	248·6	9th	268·8	*268·7*	—3·0	47	+ 33
414	Helena	46 34	112 4	1253	874·8	1022·0	+ 2·0	273·9	286·3	23rd	264·2	248·6	27th	269·0	*269·1*	—3·9	27	+ 9
414*a*	Salt Lake City	40 46	111 54	1329	868·7	1018·9	— 1·3	280·9	292·4	4th	272·3	260·8	27th	276·6	*276·7*	—0·9	21	— 14
415	Cheyenne	41 8	104 48	1856	811·0	1018·3	— 0·5	278·2	289·7	23rd	266·2	248·6	28th	272·2	*272·8*	—1·8	41	+ 30
416	North Platte	41 8	100 45	859	918·8	1022·0	+ 2·9	276·6	290·2	23rd	265·3	250·8	12th	270·9	*270·9*	—3·8	72	+ 62
416*a*	Bismarck	46 47	100 38	511	958·6	1022·0	+ 3·3	269·8	282·4	22nd	260·8	247·4	30th	265·3	*266·6*	—3·1	23	+ 8
417	Winnipeg	49 53	97 7	232	989·5	1019·6	+ 2·9	267·4	278·6	17th	258·0	244·7	30th	262·7	*262·3*	—4·1	58	+ 34
418	Duluth	46 47	92 6	345	974·9	1017·9	+ 0·8	271·0	283·0	17th	263·4	245·2	30th	267·2	*267·3*	—4·9	98	+ 66
419	Port Arthur	48 27	89 12	196	992·3	1017·3	+ 1·5	273·0	281·9	10th	263·6	250·2	26th	268·3	*268·1*	—1·6	73	+ 36
420	Chicago	41 53	87 37	251	988·3	1018·9	+ 1·0	280·7	288·6	10th	273·4	263·6	30th	277·0	*277·3*	—0·3	60	0
421	Toronto	43 40	79 24	116	1003·7	1018·3	+ 1·5	280·2	290·8	1st	272·4	264·1	27th	276·3	275·7	+0·9	41	— 34
422	New York (Central Park)	40 46	73 58	30·2	1014·8	1018·5	+ 0·8	284·1	295·2	1st	276·5	270·8	20th	280·3	280·3	+0·5	90	+ 11
423	St. John, N.B.	45 17	66 4	36·2	1012·4	1016·9	+ 3·0	279·1	284·1	18th	272·4	263·0	29th	275·8	275·7	+0·2	152	+ 40
424	S.W. Point, Anticosti	49 24	63 33	9·1	1015·8	1017·0	+ 5·8	274·7	278·6	13th	269·7	260·8	27th	272·2	*272·3*	0·0	108	+ 37
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1016·1	1017·0	+ 2·6	280·8	286·3	19th	277·4	272·4	29th	279·1	*279·1*	—0·8	180	+ 36
425	Port aux Basques	47 35	59 10	9·1	1015·1	1016·2	+ 4·0	277·4	282·4	19th	272·4	267·4	28th	274·9	*274·9*	—0·1	112	— 3
426	St. John's, Newfoundland	47 34	52 42	38·1	1009·7	1014·5	+ 3·4	279·1	289·7	20th	272·4	263·6	29th	275·8	*275·7*	—0·3	147	+ 2
435	Madrid	40 24	3 41	655	938·3	1015·9	— 2·8	285·4	290·0	7th, 23rd	274·2	268·9	17th	279·8	279·5	—1·9	107	+ 57
436	Nantes	47 15	W 1 34	36·5	1005·2	1009·7	— 6·3	281·6	285·9	23rd	276·0	269·0	13th	278·8	278·7	—1·8	109	+ 29
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1003·5	1009·8	— 6·6	279·5	285·0	23rd	274·3	270·0	12th, 16th	276·9	276·9	—1·9	93	+ 44
438	Marseilles	43 18	5 23	75	..	1011·7	— 3·1	285·3	291·3	5th, 7th	277·3	272·0	13th	281·3	*281·1*	—1·8	52	— 41
439	Zürich	47 23	8 33	493	952·6	1012·2	— 6·8	278·3	285·7	7th	272·5	266·6	14th	275·4	275·3	—1·3	105	+ 36
440	Rome	41 54	12 27	45	1006·7	1012·0	— 4·1	288·4	293·0	5th	281·3	273·8	18th	284·8	*284·8*	+0·1	71	— 45
440*a*	Vienna	48 15	16 22	203	985·6	1010·6	— 7·6	277·5	286·5	7th	273·6	266·2	18th	275·5	275·5	—1·0	86	+ 45
441	Buda-Pesth	47 31	19 2	130	995·8	1011·8	— 7·1	278·8	286·2	7th	274·1	267·6	18th	276·5	*276·3*	—0·7	147	+ 96
442	Sofia	42 42	23 20	550	950·4	1016·5	— 2·0	282·3	293·6	7th	274·0	262·8	25th	278·1	277·8	+0·7	38	— 13
443	Bucharest	44 25	26 5	82	1005·1	1015·3	— 4·3	281·6	293·5	8th	273·6	264·4	19th	277·6	277·1	—0·2	44	— 1
443	Odessa (University)	46 26	30 46	42·8	1010·2	1015·5	— 4·8	280·9	291·6	7th	274·2	262·1	19th	277·6	*277·3*	—0·4	52	+ 18
444	Kharkov (University)	50 0	36 14	140	1000·3	1018·2	— 3·0	272·4	284·5	7th	266·7	255·2	20th	269·6	269·3	—4·1	149	+111
445	Novorossiisk	44 44	37 49	37·1	1012·2	1016·7	— 3·2	287·5	294·5	13th	278·4	268·2	21st	283·0	*283·3*	+1·8	59	— 10
446	Tiflis	41 43	44 48	404	971·6	1019·8	— 3·3	288·6	297·6	1st	279·1	270·7	24th	283·8	*283·1*	+2·6	18	— 14
447	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
450	Tachkent	41 20	69 18	478	965·2	1022·6	— 3·3	289·3	299·8	9th	274·9	264·8	6th	282·1	*281·4*	+1·8	20	— 14
451	Narynskoe	41 26	76 2	?2015	800·7	..	..	..	284·8	3rd	263·4	255·4	27th	..	*269·9*	+0·6	2	..
452	Vernyi	43 16	76 53	841	..	..	..	281·8	294·0	1st	270·5	260·4	29th	276·2	*275·9*	..	40	..
461	Mukden	41 48	123 23	43·8	1016·3	1021·9	— 2·9	279·1	294·5	2nd	266·5	254·7	18th	272·8	272·3	+0·9	13	— 10
462	Joshin	41 48	123 23	43·8	1016·3	1021·9	— 2·9	279·1	294·5	2nd	266·5	254·7	18th	272·8	272·3	+0·9	13	— 10
463	Yuki	40 40	129 11	4·0	1018·3	1018·8	— 1·7	283·4	295·5	3rd	272·9	259·8	25th	278·1	277·7	—1·1	42	— 8
464	Vladivostok	42 20	130 24	65·6	1010·9	1019·2	..	280·0	291·5	3rd	270·9	260·4	25th	275·5	275·1	..	69	..
465	Ochiai	43 7	131 55	128	1003·4	1019·6	— 1·1	277·8	290·5	3rd	269·3	256·0	25th	273·6	273·1	+0·9	158	+129
466	Nemuro	47 20	142 46	6·6	1012·8	1013·6	+ 0·2	276·5	289·0	3rd	265·9	255·2	29th	271·2	271·6	+0·8	32	— 47
467	Syana	43 20	145 35	26·7	1013·0	1016·3	+ 1·6	282·0	288·4	3rd	274·2	266·2	28th	278·1	278·6	+1·2	59	— 21
		45 14	147 53	39·3	1010·0	1014·9	+ 1·5	281·3	288·1	3rd	272·5	267·1	29th	276·9	277·3	+1·4	102	— 16
		N.	E.															

Between Latitude 40° N. and 30° N. **NOVEMBER—ZONE 5 (Western Half).**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1012·4	1018·3	— 0·7	290·7	295·8	17th	282·0	276·3	27th	286·3	*285·7*	—0·4	11	— 49
512	San Luis Obispo	35 18	120 39	61·3	1009·7	1017·3	— 1·1	295·0	304·7	22nd	278·1	268·6	28th	286·6	*286·5*	—0·9	4	— 37
513	San Diego	32 43	117 10	26·5	1011·8	1014·9	— 1·4	292·3	300·8	21st	283·2	275·2	28th	287·8	*287·7*	—0·3	11	— 9
514	Modena	37 48	113 54	1670	833·2	1017·6	— 1·4	283·2	290·2	3rd	265·9	253·0	28th	274·6	*273·6*	—1·8	28	+ 15
515	Santa Fé	35 41	105 57	2138	785·7	1015·9	— 1·9	282·3	289·1	17th	270·9	260·2	28th	276·6	*276·4*	0·0	19	0
516	Denver	39 45	105 0	1613	836·4	1018·6	+ 0·5	281·0	293·0	23rd	267·9	251·9	28th	274·4	*274·6*	—2·3	33	+ 19
517	Abilene	32 23	99 40	530	956·7	1018·9	+ 0·2	289·6	299·1	3rd	276·9	266·9	13th	283·2	*282·3*	—2·1	29	— 6
518	Saint Louis	38 38	90 12	173	998·4	1019·3	— 0·1	284·7	293·0	3rd	275·6	266·3	13th	280·1	279·7	+0·4	53	— 16
519	Mobile	30 41	88 2	17·4	1016·2	1018·3	— 1·5	295·1	300·2	7th	286·2	274·7	14th	290·7	*290·2*	+3·0	116	+ 23
520	Nashville	36 10	86 47	166	1000·4	1020·6	+ 0·1	288·1	294·1	1st	277·6	268·0	14th	282·8	*283·2*	+0·9	200	+111
521	Charleston	32 47	79 56	14·6	1017·6	1019·3	— 0·9	293·9	301·3	1st	285·7	278·0	20th	289·8	*289·7*	+2·2	6	— 58
522	Washington	38 54	77 3	34·1	1015·9	1020·3	+ 0·8	286·2	295·8	1st	276·3	270·8	16th	281·2	*280·8*	+0·6	59	— 4
530	Bermuda	32 17	64 46	46·0	1009·9	1015·4	— 2·4	296·9	300·2	3rd, 4th	291·3	286·3	10th	294·1	*293·8*	+0·4	109	— 15
531	Santa Cruz (Flores)	39 27	31 9	28	1016·4	1019·5	— 0·6	291·4	296·4	10th	286·8	280·2	2nd	289·1	*289·3*	—0·8	50	—119
532	Horta	38 32	28 38	65	1010·7	1018·1	— 2·1	291·8	295·8	10th	287·8	284·7	2nd, 15th	289·8	289·7	—0·4	123	+ 2
532*a*	Ponta Delgada	37 44	25 40	22	1015·0	1016·8	— 2·9	291·3	294·2	20th	287·6	283·7	15th	289·5	289·5	—0·2	..	..
533	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	164	+ 19
534	Madeira (Funchal)	32 37	16 54	25	1015·6	1018·5	+ 0·2	294·5	298·4	21st	289·2	287·0	27th	291·9	*292·0*	+0·5	237	+107
535	Lisbon	38 43	9 9	95	1004·5	1016·0	— 1·9	288·4	291·5	7th	283·1	278·1	30th	285·7	*285·7*	—0·9	121	+ 10
536	Gibraltar	36 6	5 21	16·2	1014·5	1016·5	— 1·6	290·9	294·1	5th	284·6	281·0	2nd	287·8	*287·9*	—1·0	418	+256
536*a*	Melilla	35 18	2 59	8	‡1013·3	‡1014·3	— 5·3	293·2	299·8	7th	283·4	280·6	sev. dates	288·3	*289·5*	—3·1	32	— 17
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

NOVEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
537	Palma	39 34	2 39	23	1010·3	1013·1	— 3·3	288·9	294·2	6th	281·8	276·8	17th	285·3	..	—2·7	59	— 4
538	Algiers (Bouzaréah)	36 48	3 2	343	975·2	1015·4	— 1·7	290·4	297·8	5th	284·4	277·6	2nd	287·4	287·2	+0·2	38	— 8
539	Tunis	36 48	10 10	21	1013·3	1015·8	..	294·6	304·0	15th	285·4	279·9	13th	290·0	*289·0*	+1·7	29	— 4
539*a*	Malta	35 54	14 31	56·4	..	1018·5	+ 1·9	293·0	299·8	7th	287·6	281·9	19th	290·3	*289·5*	—0·4	93	..
540	Riposto	37 41	15 14	14·2	..	1017·0	0·0	291·4	295·4	6th	285·1	279·9	18th	288·3	*287·9*	—0·7	46	— 2
541	Athens	37 58	23 43	107	1003·1	1015·9	— 1·0	292·5	297·7	10th	284·8	275·1	19th, 21st	288·7	288·7	+1·7	33	— 6
542	Alexandria	31 12	29 53	32·0	1014·3	1018·0	+ 0·6	299·3	308·3	3rd	289·8	283·0	24th	294·5	*293·8*	+1·2	54	— 2
543	Cairo (Helwan)	29 52	31 20	116	1003·8	1017·5	+ 0·6	300·6	310·6	3rd	288·3	281·9	24th	294·5	293·8	+1·7	0	— 18
544	Nicosia (P.W.D.)	35 9	33 22	159	..	1017·1	+ 0·7	297·0	304·7	2nd	283·7	277·4	21st	290·3	..	+1·9	18	— 6
544*a*	Beirut	33 54	35 28	33·7	..	1018·1	+ 1·8	296·4	303·2	2nd	291·1	284·7	25th	293·7	*293·6*	+1·4	117	— 4
545	Baghdad	33 21	44 28	38·1	..	1018·1	— 0·3	299·2	305·4	3rd	284·8	278·5	30th	292·0	*289·9*	+1·9	0	— 18
546*a*	Lenkoran	39 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	38 46	48 52	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	35 41	51 25	1220	..	..	..	293·4	297·2	3rd	280·7	275·2	30th	287·1	*286·8*	+2·6	0	— 22
549	Seistan	31 0	61 30	?	..	..	..	297·3	301·7	2nd	278·0	272·6	21st	287·7	..	..	0	— 8
550	Quetta	30 11	67 3	1677	836·5	..	— 1·1	292·3	294·5	5th	270·6	267·3	26th	281·4	*281·1*	—1·3	0	— 8
551	Peshawar	34 2	71 37	339	977·4	1018·4	— 1·3	297·6	301·6	1st	278·9	275·8	30th	288·2	*287·1*	—1·3	0	— 8
551*a*	Lahore	31 34	74 20	214	990·6	1016·2	— 0·9	300·5	304·9	1st	281·7	279·3	30th	291·1	*289·9*	—0·4	1	— 8
552	Simla	31 7	77 8	2205	783·1	..	— 0·6	286·7	289·6	2nd	280·3	276·3	26th	283·5	*283·2*	+0·2	22	— 4
552*a*	Leh	34 10	77 42	3503	668·5	..	— 0·7	283·2	287·5	1st	266·6	263·8	28th	274·9	*273·8*	+0·7	0	— 8
559	Hankow	30 35	114 17	37·0	1020·3	1024·8	— 0·8	289·9	298·5	3rd	280·6	271·1	24th	285·3	*284·9*	+0·1	27	— 8
560	Tientsin	39 10	117 10	5·0	1022·2	1022·8	— 3·1	283·7	294·6	3rd	273·6	265·6	28th	278·7	*278·5*	+0·8	8	— 8
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1022·5	— 1·2	290·2	298·0	7th	279·0	268·5	25th	284·6	283·8	—0·3	24	— 8
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1013·3	1021·8	— 0·9	285·3	292·5	4th	275·7	265·3	25th	280·5	279·8	+0·5	34	— 8
562*a*	Nagasaki	32 44	129 52	133	1003·5	1019·6	— 1·2	289·8	294·4	7th	282·6	277·1	29th	286·2	285·7	—0·1	77	— 8
563	Kioto	35 1	135 44	42·9	1013·8	1019·0	0·0	290·7	295·7	2nd	279·2	273·2	27th	284·9	284·3	+2·0	91	— 8
564	Tokio	35 41	139 45	21·3	1015·5	1018·1	— 0·2	288·2	294·5	8th	280·9	274·4	26th	284·5	284·4	+1·0	178	+ 8
565	Kanayama	37 53	140 46	24·6	1015·4	1018·4	0·0	287·6	295·1	3rd	276·7	270·0	30th	282·1	281·7	+1·1	71	+ 8
566	Miyako	39 38	141 59	30·4	1014·1	1017·8	+ 1·1	287·5	295·5	3rd	276·4	269·5	30th	281·9	281·4	+1·3	174	+ 8

NOVEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1017·9	— 1·0	295·4	299·1	1st	289·9	285·8	21st	292·6	..	..	18	— 40
605	Honolulu	21 19	157 52	11·6	1014·0	1015·3	— 1·4	300·1	301·3	..	294·8	293·6	..	297·4	*297·3*	+0·8	32	— 27
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	859·8	1016·3	..	292·7	298·5	8th	279·3	271·7	10th	286·0	*285·8*	..	30	— 7
616	Leon	21 7	101 41	1809	822·4	1012·0	+ 0·3	296·9	299·5	2nd, 7th	283·9	276·2	19th	290·4	*290·2*	+1·9	7	— 50
616*a*	Monterry	25 40	100 18	528	955·1	1015·2	..	295·8	300·9	25th	286·6	278·8	14th	291·2	*290·8*	..	50	— 12
617	Tulancingo	20 5	98 22	2180	792·9	..	..	..	295·0	..	..	270·0	..	..	..	..	12	— 50
618	Galveston	29 18	94 50	16·5	1016·2	1018·3	— 1·0	294·8	300·8	9th	288·3	279·1	14th	291·6	*292·0*	+1·8	50	— 185
618*a*	New Orleans	29 57	90 4	16·2	..	1017·9	— 1·6	295·9	300·2	8th	288·3	278·0	14th	292·1	*291·7*	+2·8	185	— 14
619	Merida, Yuc.	20 58	89 38	22	1012·3	1014·7	..	303·1	305·6	4th	294·1	290·2	20th	298·6	*298·0*	..	14	— 91
620	Havana	23 8	82 21	24·3	..	1016·2	+ 0·2	300·6	304·2	1st	294·4	290·5	20th	297·5	*297·4*	+0·9	91	— 133
620*a*	Key West	24 33	81 48	6·7	1015·5	1016·2	— 0·7	299·9	302·4	1st	294·9	290·8	20th	297·4	*297·0*	+0·5	133	— 70
621	Nassau, Bahamas	25 5	77 21	3·7	..	1012·5	— 4·0	299·6	302·4	3rd	294·4	291·3	19th	297·0	*296·9*	—0·4	..	..
622	Watling Island	24 6	74 26	33·5	1011·6	1015·4	+ 0·3	..	304·1	3rd, 6th	..	296·9	25th	..	*299·6*	..	..	..
633	Izaña	28 19	16 30	2367	768·2	..	..	283·7	287·6	23rd	277·2	272·3	29th	280·5	*280·0*	..	60	— 78
634	La Laguna	28 28	W16 20	547	952·2	1015·3	— 2·3	292·8	296·7	9th	286·4	280·0	30th	289·6	*289·1*	+0·9	78	— 70
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	— 23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642					..	..	..	..	..	..	..	..	..	..	..	..	..	..
643	Aswan	24 2	32 53	99·6	1002·9	1014·5	+ 0·2	305·5	311·7	4th, 5th	289·3	283·5	25th	297·4	*296·6*	+1·5	..	..
644	Tor	28 14	33 37	1·9	1015·4	1015·6	+ 0·6	299·8	305·1	2nd	287·3	282·9	22nd	293·5	*293·1*	+0·3	..	..
647	Bushire	28 59	50 53	4·3	1015·2	1015·8	— 0·7	298·9	303·1	5th	290·2	286·9	24th	294·5	*294·2*	+0·4	0	— 8
648	Jask	25 44	57 47	4·0	1014·6	1015·2	— 1·5	303·2	307·1	4th	292·1	289·8	10th, 15th	297·6	*297·3*	+0·1	0	— 8
649	Robat	29 45	60 55	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
649*a*	Karachi	24 53	66 57	4·0	1014·1	1014·6	— 1·4	303·3	307·7	6th	291·8	289·4	23rd, 29th	297·6	*297·3*	+0·4	0	— 8
650	Jacobabad	28 17	68 29	56·7	1008·8	1015·6	— 0·7	303·8	308·4	1st	282·9	278·8	20th	293·3	*292·6*	—0·7	8	— 8
651	Jaipur	26 56	75 52	436	966·3	1016·3	— 0·9	301·4	306·1	2nd	286·2	280·3	18th	293·8	*292·8*	—0·7	10	— 8
652	Nagpur	21 8	79 5	310	979·0	1014·4	— 1·4	303·0	304·8	1st, 5th	290·6	286·7	18th	296·8	*296·5*	+1·3	0	— 8
653	Allahabad	25 25	81 51	94·1	1005·1	?1016·0	? 0·0	302·1	304·6	4th	286·3	281·9	30th	294·2	*293·3*	+0·4	19	— 8
653*a*	Darjiling	27 3	88 18	2266	778·0	..	— 0·9	287·3	289·9	14th	279·8	276·7	28th	283·6	*283·3*	+1·2	50	— 8
654	Calcutta	22 36	88 23	6·4	1012·9	1013·7	— 1·4	301·1	303·3	1st	291·9	287·5	30th	296·5	*296·1*	+0·7	..	..
655	Gauhati	26 8	91 41	59·7	1008·4	1015·3	— 1·2	300·6	303·1	1st	290·9	287·1	28th	295·7	*295·0*	+1·0	20	— 117
655*m*	Cherrapunji	25 15	91 42	1314	870·4	..	— 0·9	292·9	294·7	13th	285·6	281·6	30th	289·2	*288·5*	+0·2	117	— 420
655*a*	Akyab	20 11	92 56	6·1	1011·6	1012·3	— 1·4	302·2	304·6	13th	294·4	290·1	30th	298·3	*297·9*	—0·3	420	— 25
656	Mandalay	21 59	96 0	76·2	1005·2	1014·0	— 0·7	304·9	307·9	13th	295·1	291·1	24th	300·0	*299·4*	+1·7	25	— 105
656*a*	Tengyueh	24 59	98 35	1633	835·4	..	..	292·6	295·8	4th, 5th	280·7	275·8	7th, 29th	286·7	*285·9*	..	105	— 57
657	Phu Lien	20 48	106 37	116	1003·9	1017·6	+ 0·2	298·1	304·1	6th	290·7	285·6	25th	294·4	*293·9*	—0·2	57	— 242
658	Moncay	21 31	107 51	9·0	1016·8	1017·8	0·0	297·0	302·5	1st	288·6	281·5	25th	292·8	*293·8*	—1·2	242	— 73
659	Hong Kong	22 18	114 10	33·2	..	1017·5	— 0·1	295·6	301·7	6th	290·8	282·2	25th	293·2	293·1	—0·6	73	— 53
660	Amoy	24 27	118 4	ca.3	1019·0	1019·4	— 0·1	295·6	300·2	1st	289·3	282·4	25th	292·4	*292·0*	—1·4	53	— 14
661	Taihoku, Formosa	25 2	121 31	9·3	1017·8	1018·9	+ 0·3	296·2	303·8	5th	288·5	280·9	23rd	292·3	291·8	—0·9	94	— 187
661*a*	Basco (Santo Domingo)	20 28	121 59	18·7	..	1012·3	— 0·4	300·4	304·5	4th, 8th	294·5	289·0	22nd	297·5	*297·6*	0·0	187	— 142
662	Naha	26 13	127 41	10·5	1015·9	1017·1	— 0·4	297·5	302·7	4th	290·5	285·5	26th	294·0	293·9	0·0	142	— 7
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1014·9	1015·4	— 0·7	299·8	302·2	3rd	294·4	288·6	28th	297·1	296·9	+1·1	207	— 207
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 111.

NOVEMBER 1919.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

NOVEMBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
735	Colima	19 12	103 45	509	955·9	1011·0	..	303·2	305·0	14th	295·2	292·3	23rd	299·2	*298·3*	..	39	..
736	Morelia	19 42	101 7	1923	809·9	1009·9	..	292·9	296·0	28th	..	..	..	..	*289·2*	..	21	..
737	Mexico, Tacubaya	19 24	99 12	2309	775·7	1014·2	0·0	295·5	297·7	29th	280·4	273·5	19th	288·0	286·7	+0·3	19	+ 4
738	Salina Cruz	16 12	95 12	56	1006·1	1012·6	..	301·8	304·8	27th	296·1	293·1	25th	299·0	*298·6*	..	43	..
739	San Salvador	13 42	89 13	‡665	936·1	1010·5	— 0·3	306·7	309·6	26th	289·5	284·0	20th	298·1	*295·5*	+0·1	41	— 10
740	Belize	17 29	88 12	5·2	1013·1	1013·7	+ 0·9	302·3	304·9	6th	295·2	288·6	19th, 20th	298·8	*298·3*	+0·4	95	—207
741	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·3	0·0	303·3	306·8	28th	294·2	291·1	12th	298·7	*298·6*	—0·2	56	— 26
742	Port au Prince	18 34	72 22	37·4	1008·5	1012·8	— 0·1	304·8	307·1	5th	295·2	292·4	12th	300·0	*299·2*	+0·5	58	— 20
743	Caracas	10 30	66 55	1042	898·2	1013·9	+ 0·6	297·6	299·1	4th	288·3	285·0	18th	292·9	*292·1*	—0·6	123	+ 39
744	Montserrat	16 41	62 9	39·6	1007·4	1012·0	— 1·3	302·9	305·2	19th	293·1	288·0	12th	298·0	*297·4*	..	297	..
745	Grenada (Richmond Hill)	12 5	61 46	155	992·6	1010·5	— 0·3	302·4	304·7	5th, 14th	296·6	295·2	2, 22, 26	299·5	*298·9*	+0·2	202	— 6
746	Barbados	13 8	59 36	55·2	..	1011·5	— 0·7	302·6	303·4	19th	295·9	294·3	1st	299·3	*298·5*	+0·4	95	— 60
748	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·2	1014·4	+ 0·7	300·3	302·0	3, 5, 6,	292·8	289·0	14th	296·6	*297·8*	—0·9	0	— 8
748	San Tiago, C. Verde Is.	14 54	23 31	?40	..	..	..	302·4	304·8	4th	297·6	296·0	14th, 30th	300·0	*299·8*	+1·6	0	— 12
748	Bathurst	13 27	16 36	1·8	1012·9	1013·1	+ 1·1	304·6	307·4	2nd	..	..	..	..	*300·5*	+0·6	0	— 7
748	M'Carthy Island	13 33	14 45	1·1	..	..	..	307·8	310·8	7th	293·8	288·6	24, 27, 28	300·8	..	+0·3	0	— 5
748	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
748	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
750	Sokoto	13 2	E 5 14	353	..	..	..	305·9	309·1	2, 7, 14	290·8	288·6	21, 25, 30	298·3	*297·8*	—1·6	0	0
750	Kaduna Capital	10 32	7 25	637	944·0	1015·9	+ 2·3	303·7	305·2	sev.dates	287·8	284·1	25th	295·8	*295·3*	—1·8	10	+ 7
750	Hadejia	12 40	10 5	?	..	..	..	307·4	313·6	1st	287·9	283·0	29th	297·7	*297·2*	—0·4	0	..
750	Maiduguri	11 47	13 11	361	..	..	..	309·7	314·7	1st	290·2	285·8	29th	299·9	*299·4*	+0·3	0	0
750	El Fasher	13 32	25 18	730	..	..	..	307·0	311·5	1st	286·4	280·5	28th	296·7	..	..	0	..
752	El Obeid				..	..	..	307·0	311·0	2nd, 4th	289·7	283·0	26th	298·3	*298·2*	+0·7	0	0
752	Khartoum	15 37	32 33	390	966·2	1010·0	+ 0·3	307·6	311·5	1, 2, 7	292·3	287·4	26th, 27th	299·9	*300·0*	—0·8	0	0
752	Port Sudan	19 37	37 13	5·5	1010·7	1011·3	— 1·3	304·2	307·0	sev. dates	296·6	293·0	27th, 28th	300·4	*300·2*	+0·3	3	— 39
752	Berbera, Somaliland	10 22	45 2	9·5	1014·5	1015·6	+ 0·8	306·1	308·0	12th, 19th	293·3	290·2	18th	299·7	*300·6*	+1·4	0	— 5
752	Aden	12 45	45 3	28·7	1010·7	1014·0	— 1·2	303·3	307·3	5th	296·1	294·1	21st	299·7	*299·1*	+0·1	0	— 2
756	Bombay	18 54	72 49	11·3	1010·5	1011·7	— 2·4	304·2	306·0	6th	297·4	293·8	25th	300·8	*300·3*	+1·1	5	— 7
756	Cochin	10 58	76 21	2·7	1010·9	1011·2	— 1·2	302·7	304·7	29th	296·4	294·2	18th	299·6	*299·2*	—0·7	418	+261
756	Kodaikanal	10 14	77 28	2343	770·5	..	— 1·3	289·4	292·6	28th	282·7	280·0	17th	286·1	*286·1*	+0·3	211	+ 24
756	Bangalore	12 59	77 38	920	910·7	1011·5	— 1·6	299·6	301·4	24th	290·6	287·4	18th	295·1	*294·4*	+0·6	135	+ 67
756	Madras	13 4	80 14	6·7	1010·2	1010·9	— 2·3	303·1	305·5	18th	296·5	294·3	26th	299·8	*299·4*	+0·9	354	+ 16
756	Vizagapatam	17 42	83 19	11·6	1010·7	1012·0	— 2·2	301·1	303·0	5th	296·6	294·2	21st	298·8	*298·4*	+0·1	345	+261
758	Port Blair	11 40	92 40	17·7	1009·2	1011·2	— 0·7	303·0	304·3	5th	298·0	295·9	28th	300·5	*300·1*	—0·2	340	+101
758	Rangoon	16 46	95 48	5·5	1012·3	1012·9	— 0·5	304·0	306·3	1st	295·9	291·8	27th	300·0	*299·1*	+0·3	140	+ 70
758	Saigon	10 47	106 42	11·2	1009·1	1010·4	+ 0·1	303·5	305·6	20th	295·9	291·6	22nd, 23rd	299·7	*299·2*	+0·2	144	+ 21
758	Nhatrang	12 15	109 12	3·6	1011·3	1011·7	— 0·2	301·3	304·7	20th	295·0	292·4	27th	298·2	*297·8*	—0·5	325	— 53
758	Bolinao	16 24	119 53	7·1	..	1007·8	— 1·2	304·2	306·5	4th, 6th	296·3	291·5	26th	300·3	*299·6*	—0·4	54	+ 8
760	Vigan	17 34	120 23	12·2	..	1009·4	— 0·8	304·8	306·9	17th	295·5	292·0	25th	300·1	299·8	0·0	6	— 31
760	Manila	14 35	120 59	14·2	..	1009·7	— 0·4	303·9	306·3	4th	295·4	292·2	26th	299·7	298·5	—0·3	138	+ 10
760	Ormoc	11 0	124 36	5·6	..	1007·9	— 0·1	304·8	306·2	2nd, 20th	295·9	293·5	25th	300·4	*299·4*	+0·7	265	+ 63
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1007·7	— 0·3	303·1	304·0	26th	297·7	295·6	23rd	300·4	*300·1*	+0·1	202	+ 18
		N.	E.															

NOVEMBER—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation Total.	Precipitation Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
762	Fanning Island	3 55	159 23	3·1	..	..	..	306·0	308·0	26th	297·2	294·1	12th	301·6	*301·0*	+1·1	8	— 65
762	Colon	9 23	79 23	11·0	..	1010·6	+ 0·1	302·2	304·7	8th	297·2	295·2	8th	299·7	*299·3*	+0·4	168	—374
762	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	20	+ 6
762	Merida, Venez.	8 36	71 9	‡840·6	..	..	..	295·8	296·5	sev. dates	287·9	286·0	4th	291·9	*291·1*	..	302	..
762	El Peru, Guayanavieja	7 19	61 49	220	?983·1	?1008·1	— 1·0	..	..	..	..	..	..	..	‡*297·8*	+1·7	97	+ 7
762	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1011·9	+ 0·6	303·4	304·9	14th	297·3	295·2	27th	300·4	*300·1*	+0·5	117	— 29
762	Paramaribo	5 49	55 9	3·7	1011·8	1012·2	+ 0·6	304·7	307·0	15th, 16th	295·9	294·7	5th, 16th	300·3	*299·1*	+0·5	63	— 78
762	Cayenne	4 56	52 21	6	..	..	..	303·5	305·2	3rd, 4th	296·1	295·2	18th	299·8	*299·3*	—0·8	29	— 88
764	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
764	Freetown, Sierra Leone	8 29	13 9	68·3	1004·4	1012·3	+ 1·2	304·7	310·2	12th	..	..	..	..	‡*300·3*	—0·5	115	— 20
764	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	75	+ 15
764	Accra	5 33	W 0 12	25·7	..	..	..	303·3	..	..	295·4	..	..	299·4	..	—0·2	20	— 18
764	Lagos	6 27	E 3 24	4·6	1011·9	1012·4	..	303·2	304·2	..	296·5	294·3	..	299·9	*299·4*	—0·5	118	+ 52
764	Zungeru	9 48	6 10	130	..	..	..	306·7	309·7	29th	296·5	285·8	30th	298·6	*298·1*	—0·9	5	+ 1
764	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
764	Yola	9 12	12 30	259	..	..	..	307·1	309·7	15th	..	..	..	..	‡*298·6*	—1·7	17	+ 15
764	Wau	7 42	28 3	440	959·4	1008·7	— 0·2	308·5	311·5	18th	293·2	287·5	28th	300·9	*298·9*	+0·2	26	+ 9
765	Malakal (Kodok)	9 35	31 37	394	965·0	1009·3	+ 0·4	308·0	309·8	9th	292·0	286·1	28th	300·0	*298·7*	..	0	— 8
765	Mongalla	5 11	31 47	439	959·5	1008·8	+ 0·3	307·2	309·0	sev. dates	..	..	..	..	‡*297·8*	..	31	— 15
765	Entebbe	0 5	32 29	1171	883·5	..	0·0	298·4	304·9	1st	289·7	286·3	9th	294·1	*294·7*	—0·6	75	— 50
765	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	150	+ 9
765	Minicoy	8 17	72 49	2·1	1011·6	1011·8	— 0·5	..	..	..	296·3	294·2	18th	299·4	*299·0*	—0·1	226	— 53
765	Colombo Observatory	6 54	79 53	7·3	1008·9	1009·7	— 0·2	302·6	303·6	25th	292·7	289·4	17th	297·6	296·3	+0·1	203	—

NOVEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	306·8	309·2	25th	297·2	295·0	6th	302·0	*300·7*	—0·3	94	— 56
926	Taperinha	2 30	54 20	20·0	1007·2	1009·4	— 0·4	305·7	307·0	17th	295·9	293·8	28th	300·8	*299·5*	+0·2	0	— 2
927	Turyassu	1 43	45 26	15·1	1008·4	1010·1	0·0	307·6	308·7	24th	296·3	294·7	11th	302·0	*300·0*	0·0	0	0
928	Barra do Corda	5 30	45 16	81·0	999·7	1008·9	— 0·2	308·3	310·8	16th	292·5	285·5	23rd	300·4	*300·3*	+0·5	77	— 26
929	Quixeramobim	5 16	39 15	207	987·8	1011·1	+ 0·4	306·2	307·5	17th	297·8	297·0	4th	302·0	*301·1*	—0·4	8	— 8
930	Fernando Noronha	3 50	W32 25	106	1000·6	1012·8	+ 0·4	300·1	301·0	20th	296·2	294·7	22nd	298·2	*297·6*	..	..	..
939	Loanda	8 49	E 13 13	59·3	..	1012·3	+ 1·0	299·3	301·7	22nd	296·1	294·4	20th	297·7	297·4	—0·3	126	+ 56
940	Brazzaville	4 17	15 16	320	975·4	1011·5	— 0·2	305·2	309·0	15th, 16th	295·2	293·0	10th, 11th	300·2	*299·5*	+1·3	41	+ 16
943	Masaka	0 21	31 47	?1280	..	..	..	300·5	..	..	288·7	..	..	294·6	*?293·3*	+0·7	..	..
944	Nairobi	1 14	36 44	1800	..	..	..	295·8	298·6	9th	284·1	281·3	26th	289·9	*289·2*	—0·8	97	— 7
944*a*	Zanzibar	6 10	39 11	21·9	1012·0	1014·5	— 0·3	302·4	305·3	11th	298·2	296·4	13th	300·3	*299·7*	+0·3	297	+ 27
945	Lamu	2 16	40 50	3·1	..	..	..	303·6	304·1	21st, 28th	299·1	297·4	26th, 30th	301·3	*300·9*	+1·0	1	— 25
947	Seychelles, Port Office	4 37	55 27	4·6	1011·3	1011·7	— 0·1	302·1	303·2	..	298·4	296·8	..	300·3	*299·5*	+1·2	31	+ 26
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	571	+ 56
958	Batavia	6 11	106 50	8·0	1008·9	1009·8	— 0·1	303·1	305·5	17th	296·1	294·8	2nd, 27th	299·6	298·8	—0·5	165	+ 56
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	331	+ 56
959	Passeroean	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	24	+ 56
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	309	+ 56
962	Ambon	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	23	— 56
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	99	— 56
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
967																		
968	Rendova	8 30	157 12	1·8	1009·1	1009·2	+ 0·8	..	..	..	..	..	..	..	..	..	344	+ 56
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·7	1009·0	+ 0·6	305·6	307·2	10th	297·9	296·2	24th	301·7	*301·5*	+1·0	145	+ 56
970	Ocean Island	0 52 S.	169 35 E.	54·0	1000·8	1007·0	— 1·1	303·9	305·8	10th	297·3	295·2	23rd	300·6	*299·8*	—0·5	170	+ 56

NOVEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1009·1	— 0·4	303·8	305·5	4th	296·4	293·9	24th	300·1	300·3	+1·4	224	+ 56
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	304·2	306·3	26th, 29th	294·3	289·7	20th	299·2	*299·0*	+1·1	43	— 56
1007	Makatea	15 47	148 14	47	..	..	..	..*	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	760·9	..	+ 0·1	293·0	295·3	6th	282·6	280·3	29th	287·8	*287·5*	+0·4	0	0
1022	Puerto de Arica	18 28	70 20	5	..	..	..	293·4	294·2	18th	287·3	286·2	4th	290·3	*292·1*	+0·2	0	0
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	994·8	1008·2	— 0·4	305·6	310·8	7th	294·8	291·0	sev. dates	300·2	*299·3*	—0·5	153	+ 56
1026	Cuyaba	15 36	56 6	165	989·2	1008·0	— 0·6	303·6	306·5	25th	298·1	296·0	27th	300·8	*300·5*	—0·2	201	+ 56
1027	Bello Horizonte	19 55	43 57	857	917·5	1012·5	+ 0·5	300·0	304·0	17th, 18th	291·2	289·4	17th	295·6	*295·2*	+0·8	170	+ 56
1028	Caetite	14 3	42 37	900	914·4	1012·7	+ 0·9	301·4	304·5	26th	291·4	289·0	26th	296·4	*296·8*	+0·7	70	+ 56
1029	Ondina (Bahia)	13 0	38 31	46·6	1007·1	1012·5	+ 0·2	301·7	302·8	18th	295·5	293·8	22nd	298·6	*298·0*	—0·1	30	+ 56
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	945·4	1017·5	— 0·3	292·0	293·9	4th	284·9	284·2	23rd	288·5	*288·2*	—0·1	61	+ 56
1042	Gwelo	19 28	E 29 48	1417	861·3	..	+ 0·1	301·8	307·4	18th	286·4	278·6	11th	294·1	..	—0·8	152	+ 56
1043	Salisbury, Rhodesia	17 48	31 5	1457	855·2	..	— 1·6	301·7	306·4	17th	286·2	280·8	12th	293·9	*292·7*	—0·5	124	+ 56
1044	Zomba	15 23	35 18	996	906·9	1016·6	+ 0·7	303·8	309·1	30th	290·9	287·4	12th, 24th	297·3	*296·9*	+0·3	60	+ 56
1045	Tananarive	18 55	47 32	1400	864·9	..	+ 0·1	301·4	304·2	21st	288·2	285·7	17th	294·8	*293·7*	+1·0	115	+ 56
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·8	1012·4	+ 0·1	301·7	304·7	17th	297·1	294·1	1st	299·4	*299·0*	—0·5	157	+ 56
1056																		
1057	Christmas Island	10 25	105 43	5·5	1008·3	1008·9	— 0·3	304·2	306·3	..	297·1	295·8	..	300·7	*300·1*	+0·5	234	+ 56
1058																		
1061	Koepang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	2	— 56
1061*a*	Derby	17 18	123 40	10·2	1008·9	1010·8	+ 1·5	308·8	314·1	25th	299·3	295·5	28th	304·1	..	+0·4	10	— 56
1062	Hall's Creek	18 13	127 46	374	968·3	1009·4	+ 0·6	311·4	313·6	30th	297·1	293·0	14th	304·2	*303·5*	+0·8	24	— 56
1063	Darwin	12 28	130 51	29·6	1006·5	1009·9	+ 1·4	306·4	308·1	7th	297·7	295·2	25th	302·1	*300·9*	—0·7	100	— 56
1064	Daly Waters	16 16	133 23	211	984·9	1008·0	+ 0·1	311·1	313·6	4th, 30th	296·4	293·0	29th	303·8	*303·1*	—0·4	115	— 56
1065	Mein	13 13	142 47	122	996·6	1010·2	+ 1·9	306·4	310·8	20th	294·5	290·8	2nd	300·5	..	—0·8	0	— 56
1066	Georgetown, Queensland	18 22	143 32	302	978·9	1012·3	+ 2·2	309·0	312·3	4th	294·4	290·2	3rd	301·7	..	0·0	5	— 56
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1012·2	— 0·2	300·9	303·0	26th	295·2	292·0	20th	298·1	*297·9*	0·0	364	+ 56
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

NOVEMBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	58	— 95
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·0	1016·2	+ 0·4	291·1	293·6	17th	285·4	282·8	8th	288·3	*287·9*	+0·5	0	— 2
1122	Iquique	20 12	70 11	9	..	..	..	294·8	297·7	29th	286·9	285·3	4th, 5th	290·9	*291·1*	—0·5	0	0
1123	Catamarca	28 27	65 47	510	946·6	1003·2	— 3·3	305·6	315·0	17th	291·1	284·6	4th	298·3	298·3	+0·2	9	— 26
1124	Salta	24 46	65 28	1178	878·5	1005·9	— 2·5	301·0	310·3	8th	288·1	283·0	4th	294·5	295·0	+0·7	52	— 8
1125	Goya	29 9	59 15	26	1005·7	1008·7	— 2·0	302·2	309·1	17th	290·9	285·1	27th	296·5	296·1	+0·7	229	+121
1126	Asuncion	25 21	57 37	95	‡1001·7	‡1012·7	+ 0·6	306·2	313·1	14th	291·6	284·0	27th	298·9	297·8	+0·1	468	+314
1128	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1139	Rio de Janeiro	22 54	W43 10	61·4	1005·0	1012·1	— 0·3	301·0	307·8	24th	295·0	291·8	27th	298·0	297·6	+1·7	141	+ 36
1140	Windhoek	22 35	E 17 5	1680	..	..	..	300·6	304·5	15th	288·6	283·1	8th	294·6	*294·8*	—0·7	36	+ 15
1141	Kimberley	28 42	24 47	1202	880·9	..	+ 0·2	301·7	308·6	19th	286·1	280·2	9th	293·9	294·0	—0·3	33	— 7
1142	Johannesburg	26 11	28 4	1806	823·2	..	0·0	295·3	300·7	17th	284·1	279·0	9th	289·7	*289·3*	—0·7	135	+ 27
1142*a*	Pretoria (Brooklyn)	25 46	28 13	1400	862·1	..	+ 0·2	298·4	304·6	16th	286·6	281·6	9th	292·5	*292·1*	—0·7	158	..
1143	Bulawayo	20 9	28 35	1340	868·1	..	+ 0·3	301·4	307·1	..	289·1	284·2	..	295·2	*294·8*	—0·3	58	— 25
1144	Durban	29 52	31 3	15·2	1015·8	1017·6	+ 0·7	297·4	301·4	16th	290·2	287·3	21st, 22nd	293·8	*293·3*	—0·6	49	— 79
1145	Lorenzo Marques	25 58	32 36	59	..	1015·6	+ 0·7	299·0	307·7	12th	291·1	286·5	12th	295·1	294·9	—1·5	107	+ 26
1147	Mauritius	20 6	57 33	55·2	1008·5	1014·9	— 1·2	301·8	304·0	30th	293·2	289·1	6th	297·5	297·2	+0·3	31	— 9
1159	Onslow	21 43	114 57	4·3	1009·9	1010·8	+ 0·8	306·1	311·7	10th, 24th	292·3	286·9	2nd	299·2	..	—0·2	5	+ 4
1160	Peak Hill	25 38	118 47	588	944·7	1009·0	+ 0·5	305·7	312·3	27th	291·6	284·6	11th	298·7	..	—1·0	47	+ 37
1161	Nullagine	21 53	120 5	386	967·3	1009·2	+ 1·0	310·1	313·7	27th	295·6	289·1	6th	302·8	..	—0·1	32	+ 19
1162	Laverton	28 40	122 23	466	962·1	1014·2	+ 2·3	302·3	311·3	28th	289·1	282·4	11th	295·7	*295·5*	—1·7	108	+ 87
1163	Alice Springs	23 38	133 37	587	947·1	1011·1	+ 1·8	306·7	312·4	29th, 30th	291·1	285·8	21st, 23rd	298·9	*298·7*	—0·3	14	— 11
1164	William Creek	28 55	136 21	76·2	1005·5	1014·1	+ 1·7	305·9	314·7	30th	290·5	284·7	13th	298·2	*297·7*	+0·3	7	— 4
1165	Boulia	22 55	139 38	146	993·9	1009·9	+ 1·2	311·7	316·0	30th	295·3	289·9	9th	303·5	*303·3*	+1·7	0	— 25
1166	Thargomindah	27 58	143 43	123	997·8	1011·4	+ 0·7	310·4	317·5	26th	294·7	289·9	21st	302·6	*302·2*	+3·3	0	— 24
1167	Mitchell	26 32	147 52	336	976·0	1012·8	..	307·6	311·4	28th	290·2	285·2	24th	298·9	..	+1·9	14	— 36
1168	Rockhampton	23 24	150 30	11·3	1014·4	1015·8	+ 2·6	303·6	309·6	20th	291·5	289·1	2nd	297·6	..	—1·0	16	— 38
1169	Brisbane	27 28	153 2	41·7	1012·8	1017·6	+ 3·2	300·3	305·0	19th	290·9	286·6	8th	295·6	*295·2*	—0·5	10	— 83
1170	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1171	Norfolk Island	29 4 S.	167 59 E.	15·2	1017·5	1019·3	+ 2·7	294·9	298·6	27th	288·0	285·2	2nd	291·4	*290·9*	—0·9	6	— 65

NOVEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	290·0	292·0	30th	284·5	282·4	18th	287·3	*287·6*	—0·7	68	+ 16
1222	Punta Tumbes	36 37	73 6	91	‡1006·0	‡1017·1	— 0·1	288·7	292·8	17th	282·4	279·0	10th	285·5	*285·3*	—0·4	26	+ 9
1223	Punta Angeles, Valparaiso	33 1	71 38	41	1010·8	1015·7	— 0·5	293·6	302·5	25th	284·2	281·4	6th, 7th	288·9	*288·5*	—0·4	0	— 8
1224	Santiago	33 27	70 42	520	954·8	1015·0	+ 0·2	296·8	303·2	5th	281·3	277·9	18th	289·1	*288·3*	—0·9	3	— 3
1225	Cordoba	31 25	64 12	423	961·2	1009·6	— 1·4	300·1	308·1	..	285·7	278·9	..	292·9	292·6	—0·6	106	+ 4
1226	Bahia Blanca	38 45	62 15	25	..	1009·4	— 1·7	297·4	308·0	29th	284·1	278·0	10, 12, 19	290·7	291·0	—0·6	41	— 12
1265	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1011·4	— 2·2	296·8	304·5	30th	285·0	275·6	19th	290·9	291·2	—2·0	94	+ 17
1266	Montevideo (Prado)	34 52	56 12	24·9	1008·4	1011·3	— 2·0	296·9	307·8	30th	285·4	280·6	5th	291·1	291·3	+0·2	55	— 26
1267	Porto Alegre	30 2	W51 13	23·5	1008·9	1011·6	— 1·3	298·8	305·3	8th	289·2	283·6	27th	294·0	294·0	—0·3	241	+168
1139	Cape Town	33 56	E 18 29	12·2	..	1017·4	+ 1·2	296·5	303·1	22nd	286·6	282·5	28th	291·5	*290·4*	+0·6	17	— 9
1140	Danger Point	34 37	19 18	27·7	1015·0	1018·3	..	292·3	295·2	22nd	285·8	281·9	17th	289·1	..	..	33	— 4
1141	Riversdale	34 6	21 16	?61	1006·1	1013·4	..	297·1	305·2	27th	284·7	279·1	17th	290·9	..	..	63	..
1142	East London	33 1	27 54	9·8	1014·8	1016·0	+ 0·9	295·2	299·7	12th, 13th	287·2	283·0	10th	291·2	..	—0·6	65	— 20
1159	Perth (Observatory)	31 57	115 51	60·0	1008·7	1015·9	+ 0·4	296·7	308·8	22nd	286·7	283·1	1st	291·7	*291·4*	—0·2	7	— 13
1160	Katanning	33 42	117 35	310	980·6	1016·7	+ 1·9	297·4	306·3	22nd	283·4	278·0	21st	290·4	..	—0·2	21	+ 4
1161	Coolgardie	30 57	121 10	423	966·8	1014·7	+ 1·8	300·7	309·8	30th	286·3	278·0	1st	293·5	*293·3*	—1·1	37	+ 20
1162	Eucla	31 45	128 58	4·6	1016·2	1016·8	+ 2·2	295·7	313·6	15th	287·7	281·8	13th	291·7	*291·1*	—0·1	22	+ 4
1163	Streaky Bay	32 48	134 13	13·1	1016·3	1017·7	+ 2·3	300·9	311·9	24th	287·1	280·8	13th	294·0	*293·2*	+1·6	1	— 16
1164	Adelaide	34 56	138 35	42·7	1013·2	1018·0	+ 3·0	300·6	313·3	25th	287·0	281·1	14th	293·8	*293·3*	+1·4	4	— 25
1165	Melbourne	37 49	144 58	35·1	1013·6	1017·7	+ 3·5	295·9	307·9	27th	285·6	280·2	15th	290·7	*290·5*	+1·4	29	— 27
1166	Bourke	30 13	145 58	110	1004·6	1017·0	+ 1·7	310·1	318·6	27th	290·0	279·1	20th	300·0	..	+1·7	0	— 32
1167	Sydney	33 51	151 13	44·5	1011·8	1017·1	+ 3·3	296·3	302·9	25th	288·9	284·1	21st	292·6	*292·3*	+0·1	85	+ 13
1168	Lord Howe Island	31 20	159 0	4·0	1018·4	1018·9	+ 3·1	296·3	298·8	28th	289·2	285·2	22nd	292·7	..	—0·1	80	— 26
1171	Auckland	36 50	174 50	38·1	..	1012·5	..	291·2	293·6	3, 12, 13	282·3	278·0	5th, 6th	286·7	..	—2·0	55	— 28
1172	Napier	39 32 S.	176 53 E.	21·3	..	1008·5	— 3·5	293·1	298·0	19th, 28th	282·2	276·9	23rd	287·6	..	—1·3	11	— 42

NOVEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
1201	Chatham Island	43 52	170 42	104	..	..	..	285·1	289·9	18th	279·6	277·2	11th	282·3	*282·1*	—0·4	45	— 28
1221	Isla Guafo	43 34	74 45	140	995·4	1012·4	— 4·2	286·5	289·0	19th	281·8	279·2	1st, 12th	284·1	*284·3*	—0·4	71	+ 1
1223	Punta Galera	40 1	73 44	40	1011·1	1016·0	— 1·6	286·5	289·0	19th	281·8	279·2	1st, 12th	284·1	*284·3*	—0·4	145	+ 34
1224	Sarmiento	45 30	69 0	274	..	1004·0	..	291·3	295·2	6th	279·7	275·5	11th	285·5	284·6	—2·2	15	+ 5
1265	Puerto Madryn	42 49	W64 58	14	..	1006·3	..	295·8	303·8	27th	280·8	274·5	12th	288·3	288·0	—1·0	21	+ 13
1266	Launceston	41 27	E147 10	10·1	1013·7	1014·7	+ 4·4	295·7	302·2	29th	282·3	277·0	19th	289·0	*288·2*	+1·5	19	— 27
1267	Hobart	42 53	147 20	53·9	1008·5	1015·0	+ 5·9	293·3	303·0	8th, 16th	283·0	279·1	11th, 20th	288·2	*287·4*	+1·2	9	— 55
1270	Invercargill	46 25	168 21	5·5	..	..	..	287·2	294·1	1st	278·7	274·7	1st	282·9	..	—1·4	105	— 8
1271	Dunedin	45 52	170 31	91·4	..	1006·0	— 3·0	288·6	293·6	9, 18, 27	279·1	274·7	4th	283·8	..	—0·9	98	+ 16
1271*a*	Christchurch	43 31	172 38	7·6	..	1006·8	— 1·7	289·7	296·6	1st	280·6	275·1	3rd	285·1	..	—1·2	53	+ 3
1272	Wellington	41 16 S.	174 46 E.	2·4	..	1009·1	— 1·8	289·0	291·8	2nd	282·2	275·1	23rd	285·6	..	—1·2	65	— 23
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

NOVEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	994·2	1001·0	— 0·2	280·0	282·0	16th	276·6	273·4	1st	278·3	*278·2*	—1·1	203	— 4
1422	Puerto de Punta Arenas	53 10	70 54	4	997·6	998·1	— 1·5	285·1	291·7	29th	275·9	270·5	1st	280·5	*281·0*	—0·7	9	— 7
1423	Punta Dungeness	52 24	68 26	5	997·6	998·2	— 0·7	284·0	291·8	30th	276·0	274·0	1st	280·0	*280·6*	—0·9	15	— 1
1424	Santa Cruz	50 11	68 21	12	..	1000·6	— 3·3	288·9	299·9	27th	277·5	273·4	6th	283·2	283·3	—1·4	26	— 1
1424*a*	Año Nuevo	54 39	64 8	50	988·8	994·9	— 2·3	281·1	286·0	30th	275·1	268·6	1st	278·1	277·5	—1·2		
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	47	..
1426	Cape Pembroke	51 41	57 42	21	..	996·3	— 2·9	281·2	286·3	16th, 24th	274·5	270·8	1, 2, 18	277·8	278·2	—1·6	..	..
1429	S. Georgia(Cumberland Bay)	54 14	36 33	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		S.	W.															

NOVEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44	44 39	7	985·2	986·1	— 3·0	270·1	275·0	27th	265·7	261·6	4th	267·9	268·1	—2·7	44	+ 7
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.

* For formulæ employed *see* page 115. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—NOVEMBER 1919.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17h.	9h. / 17h.	7h. / 21h.	9h.	9h.	9h. / 21h.	9h.
1	..	..	SE	NE 2 / SW 1	N 2 / Calm 0	..	SE 2	SW 3 / S 2	Calm 0
2	..	..	SE	ENE 3 / SSW 1	W 2 / Calm 0	..	Calm 0	E 4 / E 3	E 2
3	..	..	SE	NE 2 / WSW 2	E 1 / S 1	..	SE 2	E 2 / E 2	E 2
4	..	..	SE	E 2 / SW 1	E 1 / Calm 0	..	SE 2	E 3 / E 2	Calm 0
5	..	..	SE	NE 2 / Calm 0	W 3 / E 2	..	SE 2	E 2 / E 2	SE 2
6	..	..	SE	ENE 4 / SSW 1	E 1 / E 1	..	SE 2	E 2 / E 3	Calm 0
7	..	..	SE	Calm 0 / SW 2	Calm 0 / E 2	..	SE 2	E 2 / E 3	Calm 0
8	..	..	SE	Calm 0 / SW 1	S 1 / Calm 0	..	SE 2	E 2 / E 1	Calm 0
9	..	..	SE	ENE 1 / SW 1	W 1 / W 1	..	Calm 0	SW 3 / SW 3	Calm 0
10	..	..	SE	Calm 0 / SW 1	W 2 / E 1	..	Calm 0	WSW 3 / SW 3	NE 2
11	..	..	SE	E 2 / WSW 1	E 2 / W 2	..	SE 2	NE 3 / NW 4	SE 2
12	..	..	Calm	Calm 0 / SW 1	E 2 / W 2	..	Calm 0	W 6 / WSW 6	Calm 0
13	..	..	Calm	Calm 0 / SW 1	N 2 / E 1	..	Calm 0	WSW 6 / WNW 4	Calm 0
14	..	..	Calm	Calm 0 / Calm 0	E 1 / E 2	..	SE 2	W 4 / W 4	Calm 0
15	..	..	SE	NE 1 / SW 2	W 2 / E 1	..	SE 2	W 4 / W 4	Calm 0
16	..	..	SE	E 1 / Calm 0	W 3 / SE 1	..	SE 2	NW 2 / N 2	Calm 0
17	..	..	SE	NE 1 / Calm 0	W 1 / E 2	..	SE 2	NNE 3 / NE 2	Calm 0
18	..	..	SE	NE 1 / SW 1	N 1 / S 1	..	SE 2	N 3 / NW 4	SE 2
19	..	..	SE	Calm 0 / Calm 0	N 2 / E 2	..	Calm 0	NE 3 / NE 4	SE 2
20	..	..	SE	NE 1 / Calm 0	N 1 / SE 1	..	SE 2	NE 2 / NE 2	Calm 0
21	..	..	SE	NE 2 / Calm 0	N 1 / E 2	..	NE 2	SSE 3 / E 3	Calm 0
22	..	..	SE	E 2 / Calm 0	W 1 / S 1	..	Calm 0	N 3 / N 3	Calm 0
23	..	..	SE	NE 1 / Calm 0	E 1 / E 2	..	Calm 0	ENE 4 / Calm 0	Calm 0
24	..	..	SE	Calm 0 / Calm 0	W 1 / E 2	..	Calm 0	W 2 / WNW 4	Calm 0
25	..	..	SE	Calm 0 / Calm 0	Calm 0 / E 1	..	Calm 0	W 4 / W 3	Calm 0
26	..	..	SE	NE 1 / Calm 0	W 1 / E 1	..	Calm 0	W 4 / NW 4	Calm 0
27	..	..	SE	NE 1 / SW 1	N 1 / W 2	..	SE 2	N 2 / N 3	SE 3
28	..	..	SE	Calm 0 / SW 1	E 1 / E 3	..	Calm 0	ENE 3 / NE 2	SE 3
29	..	..	SE	Calm 0 / SW 1	E 1 / SE 2	..	Calm 0	NE 2 / W 3	SE 4
30	..	..	SE	Calm 0 / Calm 0	E 1 / Calm 0	..	NW 2	W 2 / W 3	SE 3
Mean	..	..	..	1·0 / 0·7	1·3 / 1·3	..	1·1	3·0 / 2·9	2·2
§Resultant	..	..	135° (89)	135° (7)	85° (22)	..	130° (46)	5° (18)	115° (12)
§Normal	142° (93)	8·3	‖116° (76)	285° (8)	255°.(36)	72° (82)	131° (52)	108° (36)	101° (10)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 632 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—NOVEMBER 1919.

‡‡ *Spitsbergen.*—Icefjord, Green Harbour and Bell Sound were frozen over but the west coast was generally free of ice.

‡‡ *Iceland* was free of ice as usual in this month.

‡‡ *Denmark Strait.*—The bay ice was unbroken. On the 18th first mass of ice appeared off Angmagsalik. On the 23rd sea filled with polar ice leaving a broad land water.

‡‡ *N. Atlantic and Labrador.*—A few icebergs were observed.

‡‡ *Davis Strait.*—West Greenland coast from Cape Farewell to Upernivik was free of ice, but as usual a few icebergs were met with near the coast. South of Cape Farewell an iceberg was reported about 60 miles offshore.

‡‡ *Isforholdene i de Arktiske Have*, 1919 and 1920, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, DECEMBER 1919.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF DECEMBER 1919 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **DECEMBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1405	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1423	Inglefield Bay	77 27	66 40	?	1003·8	..	— 7·0	..	264·2	17th	..	239·6	3rd	..	*249·7*	..	..	..
1424	Upernivik	72 47	W56 7	18·9	1000·8	1003·2	— 2·7	263·7	270·3	23rd	258·3	253·2	30th	261·0	*261·0*	+5·0	24	+ 11
1509	Spitsbergen(GreenHarbour)	78 2	E14 14	11·4	1005·9	1007·4	— 2·5	..	275·0	17th	254·5	229·0	9th	..	259·6	+2·0	29	— 10
1525	Gjesvaer	71 6	25 22	6·5	1005·5	1006·3	+ 3·3	..	279·0	16th	267·3	256·2	21st	..	*269·4*	—0·4	83	+ 16
1526	Mehavn	71 1	27 47	6·4	1006·0	1006·8	+ 1·7	..	276·6	15th	264·8	252·6	21st	..	*268·2*	—0·6	44	— 34
1527	Vardö	70 22	31 8	10·0	1007·5	1008·8	+ 3·7	..	275·0	16th	265·3	253·5	22nd	..	*268·2*	—0·5	29	— 35
1547	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1548	Walgatz	70 24	58 47	11·2	?1018·0	?1019·5	+10·9	256·5	277·8	1st	248·3	238·0	18th	252·4	*252·2*	..	11	..
1577	Maudhavn	77 33	105 40	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															

Between Latitude 70° N. and 60° N. **DECEMBER—ZONE 2.**

1505	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1506	Nome	64 30	165 24	6·7	..	1011·2	+ 3·1	262·4	274·7	7th	256·9	236·9	28th	259·7	*260·0*	+1·3	57	+ 30
1507	Candle	65 55	161 57	2·4	..	..	..	259·7	274·7	1, 7, 8	252·4	229·1	28th	256·0	..	..	..	..
1508	Tanana	65 10	152 6	67·1	..	1013·2	— 0·5	255·2	275·8	1st	247·9	224·1	28th	251·6	*251·4*	+2·4	27	+ 1
1509	Rampart	65 30	150 15	122	..	..	..	254·8	275·2	1st	245·4	223·0	29th	250·1	..	..	30	+ 11
1509	Valdez	61 7	146 16	8·2	..	1010·8	+ 6·6	268·1	276·3	6th	261·3	252·4	21st	264·7	*264·8*	—2·1	167	+ 8
1509	Eagle	64 46	141 12	254	..	1016·6	+ 2·1	252·8	268·6	31st	244·2	221·3	16th	248·5	..	—2·5	17	+ 5
1509	Dawson	64 4	139 20	328	976·3	1021·1	+ 7·9	250·8	261·9	27th	241·9	225·2	16th	246·3	..	—1·9	22	— 10
1511	Carcross	60 11	134 34	662	..	..	..	262·0	274·7	26th, 27th	249·6	237·4	10th	255·8	..	—4·0	34	+ 16
1512	Fort Good Hope	66 25	128 53	65·2	1008·1	1017·3	..	251·9	276·3	1st	240·8	226·9	16th	246·3	..	..	46	+ 24
	Fort Simpson	61 52	121 35	129	998·6	1016·4	..	255·2	269·1	3rd, 4th	244·1	229·1	16th	249·7	..	+0·7	9	— 11
1513	Hay River	60 51	115 20	161	994·1	1015·9	..	258·0	276·3	19th	247·4	230·2	16th	252·7	..	+0·8	18	..
1514	Jacobshavn	69 13	51 2	12·6	998·3	999·9	— 4·1	265·3	272·8	11th, 12th	259·9	249·7	30th	262·6	*262·7*	+2·7	14	+ 2
1515	Godthaab	64 11	51 43	9·0	992·4	993·6	— 5·5	269·1	277·0	1st	265·4	260·0	30th	268·3	*267·9*	+1·2	7	— 72
1516	Ivigtut	61 12	48 10	5·0	992·2	992·8	— 5·9	271·3	280·7	1st	263·9	256·3	28th	266·5	*266·8*	+0·5	13	— 63
1517	Angmagsalik	65 37	37 33	31·7	991·8	995·8	— 2·5	269·1	274·9	16th								
1518	Stykkisholm	65 5	22 46	11·3	..	..	..	276·9	279·8	19th	271·9	261·0	31st	274·4	*274·3*	0·0	191	+ 51
1519	Vestmanno	63 26	20 15	7·7	987·4	988·4	—10·8	273·6	278·1	14th	..	..	..	..	*271·9*	+0·2	..	..
1520	Grimsey	66 33	17 58	22	991·4	994·1	— 7·0	275·8	278·2	27th	270·6	260·4	31st	273·2	*273·6*	+1·1	172	+ 35
1521	Berufjord	64 40	14 19	18·0	989·9	992·1	— 8·6	277·9	282·0	19th	273·8	266·3	26th	275·9	*276·1*	—0·5	125	— 43
1522	Thorshavn	62 3	6 45	26·3	991·5	994·7	— 7·1	279·2	281·3	19th, 20th	275·3	270·8	26th	277·3	*277·3*	—0·2	144	+ 22
1523	Lerwick	60 9	W 1 8	18·0	996·8	999·1	— 5·1											
1524	Bergen (Met. Obs.)	60 24	E 5 19	44·4	997·2	1002·7	— 6·4	276·0	280·0	14th	271·9	262·3	26th	273·9	*274·1*	—0·8	97	— 84
1525	Christiansund	63 7	7 45	17·8	1000·2	1002·4	— 3·9	..	280·3	13th	270·9	260·0	26th	..	*273·6*	—1·6	61	— 52
1526	Trondhjem	63 26	10 25	39·5	999·6	1004·6	— 3·0	270·9	275·7	16th	264·4	249·8	26th	267·7	*267·9*	—2·8	19	— 68
1541	Bodö	67 17	14 24	22·4	1001·8	1004·6	— 0·4	..	278·0	14th	265·7	253·0	24th	..	*268·7*	—2·9	23	— 61
1542	Haparanda	65 50	24 9	9·2	1008·4	1009·6	— 2·0	269·9	276·3	6th	264·9	246·1	21st	267·4	*267·4*	—2·1	61	+ 10
1543	Helsingfors	60 10	24 57	11·7	1008·6	1010·2	— 0·8	265·6	274·5	4th	258·7	235·8	21st	262·2	*262·8*	—2·6	45	+ 3
1544	Kuopio	62 54	27 40	90·3	999·0	1010·7	— 0·8											
1545	Kola	68 53	33 1	6·7	1009·6	1010·5	+ 2·7	263·7	272·6	10th	254·8	233·4	23rd	259·3	*260·2*	—2·3	21	+ 4
1546	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1547	Arkhangelsk	64 35	40 36	6·2	1011·2	1012·0	+ 0·9	262·8	273·7	5th	256·8	230·1	21st	259·8	*260·1*	—1·6	41	+ 17
1548	Mezen	65 50	44 16	12·6	1011·0	1012·7	+ 2·2	262·3	272·8	5th	252·3	226·1	21st	257·3	*256·4*	—3·2	31	+ 21
1549	Oust-Tsylma	65 25	52 14	? 70	1006·0	1015·5	— 1·0	256·8	272·4	5th	249·4	221·5	21st	253·1	*253·3*	—4·7	22	..
1549	Tcherdyn	60 24	56 31	?177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1550	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1551	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1553	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1554	Doudinka	69 23	86 4	20	1018·0	1020·7	+ 5·1	..	264·6	1st	238·9	229·3	22nd	..	*244·6*	..	2	..
1562	Touroukhansk	65 47	87 57	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1563	Iakoutsk	62 1	129 43	108	1017·1	1033·2	+ 7·0	..	252·0	29th	231·5	223·4	5th	..	*235·4*	+2·9	6	— 5
1571	Verkhoiansk	67 33	133 23	100	1010·8	1025·8	+ 4·0	..	255·6	29th	228·3	220·1	31st	..	*232·4*	+6·1	7	+ 3
1572	Markovo-sur-Anadyr	64 45	170 50	25·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Novo-Mariinskii Post	64 45	177 33	22·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

DECEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1003·0	+ 0·3	273·7	279·7	8th	270·5	262·4	26th	272·1	..	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1002·4	+ 0·7	276·7	281·9	6th	272·1	263·6	26th	274·4	..	+1·5	..	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	1006·8	+ 5·1	‡275·2	281·3	sev. dates	‡269·7	259·1	18th	‡272·5	..	..	‡ 70	..
309	Sitka	57 3	135 19	27·4	..	1012·5	+ 4·7	277·2	283·0	17th	271·4	260·2	11th	274·3	*274·3*	—1·0	201	..
310	Prince Rupert	54 18	130 18	51·8	1005·6	1012·1	+ 2·4	276·9	284·7	17th	273·6	260·8	10th	275·2	*274·9*	—1·2	189	..
311	Barkerville	53 2	121 35	1274	866·8	1018·0	— 0·6	267·4	276·9	18th, 21st	260·2	240·8	10th	263·8	*263·8*	—3·2	100	..
312	Kamloops	50 42	120 29	385	980·3	1029·5	+ 6·9	269·7	286·9	23rd	263·0	243·6	11th	266·3	*266·3*	—3·0	14	..
313	Calgary	51 2	114 2	1045	893·3	1018·9	— 0·4	272·4	286·3	28th	259·1	237·4	10th	265·8	*264·9*	—0·8	1	..
314	Fort Chipewyan	58 42	111 10	218	988·5	1017·8	..	258·0	278·6	19th	248·0	231·3	16th	253·0	*252·9*	—3·4	0	..
315	Prince Albert	53 10	105 38	442	962·4	1020·0	+ 1·5	261·9	280·8	19th	251·9	235·2	11th	256·9	*256·9*	—1·3	21	..
316	Qu'Appelle	50 30	103 47	645	937·9	1020·2	+ 3·6	263·0	278·6	21st	253·6	236·9	10th, 12th	258·3	*257·9*	—2·9	14	..
317	Minnedosa	50 15	99 50	515	953·8	1020·5	+ 2·0	260·8	276·3	21st	251·3	237·4	8th	256·1	*255·8*	—3·6	20	..
318	Berens River	52 18	97 23	216	..	..	..	256·7	273·0	20th	249·4	235·8	15th	253·1	..	—3·6	15	..
318*a*	Port Nelson	57 4	92 36	14·9	1010·8	1012·8	— 2·5	251·9	271·3	22nd	243·6	233·0	15th	247·7	..	—2·5	1	..
319	Fort Hope	51 33	87 49	‡260	983·0	1015·9	..	256·3	273·0	22nd	245·8	232·4	12th	251·1	*250·8*	..	28	..
320	Moose Factory	51 14	80 30	9·1	1014·2	1015·4	— 1·8	259·1	274·1	22, 23, 24	246·9	234·7	17th	253·0	..	—4·8	0	..
321	Fort George	53 50	79 5	97·5	..	..	..	255·9	269·7	22nd	247·4	235·8	30th	251·7	*251·7*	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	258·3	271·9	13th	245·8	224·1	17th	252·1	..	—3·8	50	..
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	263·4	276·9	1st	254·6	239·1	18th	259·0	..	—5·6	38	..
326	Belle Isle	51 53	55 23	133	987·1	1004·4	— 2·7	264·8	276·3	1st	257·6	244·1	19th	261·2	*261·3*	—1·7	? 0	..
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1006·8	1008·5	— 2·2	283·1	285·2	5th	279·1	275·2	16th	281·1	281·4	+0·6	180	..
335	Aberdeen	57 10	W 2 6	26·8	997·7	1001·0	— 6·1	278·6	284·1	20th	274·9	269·7	26th	276·8	276·7	+0·1	144	..
336	Greenwich	51 28	0 0	46·3	1004·4	1010·1	— 3·0	281·7	285·2	29th	275·9	267·4	10th	278·8	279·1	+1·2	78	..
337	Uccle	50 48	E 4 22	100	999·2	1011·6	— 5·1	280·2	285·0	29th	274·9	268·4	11th	277·5	277·5	+2·0	163	..
338	De Bilt	52 6	5 11	3·0	1009·2	1009·6	— 5·6	278·8	284·0	30th	274·0	267·3	11th	276·4	276·7	+1·0	115	..
338*a*	Hamburg	53 33	9 58	26·0	1005·8	1009·0	— 4·9	275·7	281·9	4th	271·5	263·9	29th	273·6	*273·7*	—0·7	113	..
339	Copenhagen	55 41	12 36	5·0	1007·0	1007·6	— 5·7	274·9	280·3	4th	271·8	265·3	27th	273·3	*273·7*	—1·8	73	..
340	Potsdam	52 23	13 4	84·9	1000·2	1010·9	— 4·5	275·2	282·6	4th	270·3	257·4	29th	272·7	272·8	—1·0	97	..
340*a*	Upsala	59 51	17 38	24	1005·3	1008·3	— 2·7	270·5	276·1	3rd	264·6	248·8	25th	267·6	268·1	—1·4	34	..
341	Warsaw	52 13	21 1	133	996·4	1013·2	— 3·8	273·5	281·2	4th	268·6	255·5	30th	271·0	271·1	+0·4	30	..
342	Dorpat (Jurjev)	58 23	26 43	74·5	1001·9	1011·5	— 1·5	268·1	275·8	4th	263·2	247·6	22nd	265·7	266·0	—2·1	..	..
343	Petrograd	59 56	30 16	4·8	1010·6	1011·2	— 1·5	267·2	275·4	4th	261·5	243·8	22nd	264·4	*264·5*	—2·7	32	..
344	Kiev	50 27	30 30	183	992·6	1015·8	— 2·9	271·5	277·6	8th	267·0	250·8	30th	269·2	*269·3*	+0·6	48	..
344*a*	Moscow	55 50	37 33	167	993·6	1015·2	— 2·4	267·5	275·5	9th	261·1	236·7	22nd	264·3	*264·4*	—1·5	03	..
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1010·4	1021·1	+ 1·8	264·1	274·5	28th	255·8	237·8	23rd	260·0	*260·0*	—2·4	31	..
347	Orenburg	51 45	55 6	109	1011·0	1025·5	+ 1·9	265·9	275·0	28th	257·1	244·7	19th	261·5	*261·6*	+0·3	23	..
348	Perm	58 1	56 16	159	1000·7	1021·9	+ 3·0	..	273·8	28th	257·7	228·9	19th	..	*258·6*	—1·4	40	..
349	Ekaterinburg	56 50	60 38	281	986·4	1023·4	+ 2·4	262·0	271·6	28th, 29th	253·9	230·1	20th	258·0	*258·6*	—0·3	12	..
350	Tobolsk	58 12	68 14	?108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	..	..	..	..	..	..	..	..	..	..	..	..	..	..
355	Minousinsk	53 43	91 41	249	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 10	77·6	1018·6	1029·3	+ 2·2	..	267·4	31st	248·8	233·5	21st	..	*253·4*	+1·1	23	..
357	Irkutsk	52 16	104 19	467	971·5	1033·2	+ 1·5	..	267·9	1st	251·5	241·8	12th	..	*256·3*	+1·4	15	..
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	681	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	948·2	1032·5	+ 3·0	..	264·3	4th	242·6	234·1	26th	..	*246·5*	—0·1	3	..
361	Tygan Ourkan	54 5	124 46	379	975·4	1026·8	..	255·6	263·7	29th	242·2	231·9	11th	248·9	*249·1*	..	11	..
362	Blagoveshchensk (Bureau Météor)	50 16	127 30	142	1005·6	1025·2	+ 3·4	255·8	263·1	5th	246·1	234·8	12th	251·0	*250·9*	+0·1	12	..
363	Paikanskii Sklad	50 11	130 7	145	..	..	..	..	..	..	..	..	..	..	..	..	..	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1015·2	1018·0	+ 5·2	..	270·4	26th	253·0	243·3	23rd	..	*257·2*	+4·5	23	..
366	Okhotsk	59 21	143 12	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1005·6	1007·3	+ 5·3	270·8	277·8	13th, 14th	264·4	256·9	20th	267·6	*267·7*	..	28	..
369																		
371	Attu Island	52 56	173 13	4·9	..	1002·4	+ 0·4	274·7	278·6	12th	269·9	261·9	23rd	272·3	..	..	165	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

DECEMBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
461	Victoria, B.C.	48 24	123 19	70·1	1010·5	1019·4	+ 2·6	278·6	284·7	24th	274·1	263·6	11th	276·3	276·1	—1·7	122	— 28
462	Portland, Oregon	45 32	122 41	46·6	1015·2	1020·6	+ 1·8	276·6	289·1	23rd	271·1	256·9	13th	273·9	*273·7*	—4·5	121	— 58
463	Macleod	49 44	113 24	953	..	..	..	271·1	286·3	23rd	261·4	235·8	10th	266·2	*266·2*	—3·2	8	— 6
464	Helena	46 34	112 4	1253	876·3	1025·7	+ 4·9	268·9	286·9	24th	259·4	239·7	9th	264·2	*263·7*	—5·7	25	+ 5
465	Salt Lake City	40 46	111 54	1329	872·3	1025·4	+ 4·1	273·1	284·1	4th	264·6	255·2	13th	268·9	*269·3*	—3·8	35	0
466	Cheyenne	41 8	104 48	1856	812·1	1021·0	+ 2·2	276·9	288·0	21st	264·7	239·7	9th	270·8	*270·5*	—0·8	28	+ 17
466*a*	North Platte	41 8	100 45	859	920·7	1025·4	+ 5·6	271·7	285·8	30th	260·3	241·3	9th	266·0	*265·7*	—4·3	8	— 7
467	Bismarck	46 47	100 38	511	959·0	1023·3	+ 3·6	266·8	280·8	22nd	256·4	240·8	10th	261·6	*261·6*	—2·0	6	— 9
468	Winnipeg	49 53	97 7	232	989·1	1019·9	+ 2·0	260·2	276·9	25th	251·9	239·7	8th	256·1	*256·1*	—2·3	17	— 8
469	Duluth	46 47	92 6	345	976·0	1020·0	+ 2·3	262·4	276·3	25th	254·2	241·3	15th	258·3	*258·0*	—5·9	8	— 15
470	Port Arthur	48 27	89 12	196	993·1	1019·0	+ 1·8	263·6	278·0	22nd	253·0	239·7	17th	258·3	*258·1*	—4·6	6	— 15
471	Chicago	41 53	87 37	251	990·2	1021·7	+ 3·1	270·7	279·7	12th	263·5	250·8	10th	267·1	*267·8*	—4·7	18	— 33
472	Toronto	43 49	79 24	116	1004·4	1019·4	+ 1·9	271·9	282·4	13th	263·6	251·3	17th, 18th	267·7	267·8	—2·1	25	— 47
473	New York (Central Park)	40 46	73 58	30·2	1015·9	1019·7	+ 1·3	275·6	289·1	13th	260·8	245·8	18th	265·5	265·1	—3·3	90	— 16
474	St. John, N.B.	45 17	66 4	36·2	1011·8	1016·5	+ 2·4	270·2	280·8	13th	260·6	245·8	18th	265·5	265·1	—3·3	90	— 16
474*a*	S.W. Point, Anticosti	49 24	63 33	9·1	1011·8	1013·0	+ 2·8	266·9	276·3	1st	261·9	245·2	21st	264·4	*263·7*	—2·0	69	+ 14
475	Sable Island (Main Station)	43 57	60 6	7·6	1014·5	1015·5	+ 4·2	275·8	285·8	2nd	270·8	260·8	21st	273·3	*273·0*	—2·0	155	+ 18
475	Port aux Basques	47 35	59 10	9·1	1010·7	1011·9	+ 2·1	271·3	280·2	1st	265·8	256·3	18th	268·6	*268·4*	—2·3	105	— 34
476	St. John's, Newfoundland	47 34	52 42	38·1	1003·0	1007·8	— 1·2	273·0	285·8	15th	265·8	255·8	19th	269·7	*269·8*	—1·6	177	+ 34
477	Madrid	40 24	3 41	655	946·7	1025·6	+ 3·8	282·3	290·0	20th	272·8	269·2	24th	277·5	277·1	—0·6	26	— 16
478	Nantes	47 15	W 1 34	36·5	1012·1	1016·6	— 1·6	282·4	285·6	29th	278·3	270·5	10th	280·4	280·5	+2·8	90	+ 5
479	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1009·2	1015·4	— 2·8	281·4	286·8	4th	276·2	269·2	11th	278·8	279·0	+3·3	79	+ 37
479*a*	Marseilles	43 18	5 23	75	....	1017·1	+ 0·8	285·2	291·1	1st	278·1	270·2	10th	281·7	*281·4*	+1·7	9	— 64
480	Zurich	47 23	8 33	493	958·3	1018·5	— 0·7	277·7	286·7	4th	272·4	262·8	12th	275·1	274·8	+2·4	179	+106
481	Rome	41 54	12 27	45	1009·2	1014·6	— 4·4	284·2	290·2	1st	276·9	272·0	19th	280·5	*280·2*	—0·8	55	— 35
482	Vienna	48 15	16 22	203	989·8	1015·0	— 3·3	277·0	285·0	4th	273·4	264·2	18th	275·2	274·7	+2·2	58	+ 16
483	Buda-Pesth	47 31	19 2	130	999·1	1015·4	— 2·3	276·1	283·0	26th	269·8	258·5	20th	272·9	*272·8*	—0·5	46	+ 15
484	Sofia	42 42	23 20	550	950·4	1017·6	— 2·3	277·3	287·8	10th	271·4	264·7	20th	274·3	274·1	+1·5	34	— 6
485	Bucharest	44 25	26 5	82	1006·1	1016·4	— 4·0	..	..	..	..	..	..	..	..	..	..	..
485	Odessa (University)	46 26	30 46	42·8	1010·6	1016·0	— 3·4	276·9	284·4	8th, 11th	271·2	258·6	30th	274·0	*274·2*	+1·8	33	+ 3
486	Kharkov (University)	50 0	36 14	140	999·5	1017·4	— 4·0	271·3	279·4	9th	265·7	248·3	30th	268·5	*268·5*	+0·5	45	+ 10
487	Novorossiisk	44 44	37 49	37·1	1011·1	1015·7	— 3·4	283·4	294·9	10th	275·2	262·8	31st	279·3	*279·2*	+1·3	63	— 27
488	Tiflis	41 43	44 48	404	971·4	1020·7	— 2·4	280·0	288·8	9th	272·2	268·8	6th	276·1	*276·4*	+0·6	8	— 14
489	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
490	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
491	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
492	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
493	Tachkent	41 20	69 18	478	965·8	1024·2	— 2·1	281·9	287·6	22nd	272·2	265·1	12th	277·0	*276·4*	+1·1	31	— 7
494	Narynskoe	41 26	76 2	?2015	798·0	..	..	..	272·6	1st	256·1	247·8	30th	..	*262·0*	+2·2	1	..
495	Vernyi	43 16	76 53	841	..	..	..	273·0	280·5	1st	265·6	256·1	29th	269·3	*269·2*	..	21	..
496	Mukden	41 48	123 23	43·8	1022·4	1028·2	+ 1·6	269·8	281·5	2nd	258·5	252·9	30th	264·1	263·6	+1·0	1	— 5
496*a*	Joshin	40 40	129 11	**	..	1022·5	+ 2·1	274·9	282·9	3rd	263·6	259·0	27th	266·9	266·7	..	7	..
496*b*	Yuki	42 20	130 24	65·6	1014·2	1022·8	..	270·3	282·4	3rd	258·6	251·2	27th	261·6	261·3	—1·9	13	0
496*c*	Vladivostok	43 7	131 55	128	1006·2	1023·2	+ 1·7	264·7	278·7	3rd	262·3	252·1	5th	266·5	267·1	+3·6	72	+ 2
496*d*	Ochiai	47 20	142 46	6·6	1010·5	1011·4	— 0·5	270·7	273·9	7th	262·3	252·1	5th	266·5	267·1	+3·6	72	+ 2
496*e*	Nemuro	43 20	145 35	26·7	1005·8	1009·1	— 2·0	275·7	282·3	1st	269·9	265·0	27th	272·8	273·1	+1·6	93	+ 33
496*f*	Syana	45 14	147 53	39·3	1002·6	1007·5	— 1·4	275·4	279·3	1st	269·3	264·1	16th	272·3	272·6	+1·9	127	+ 15
		N.	E															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
** Height changed from 4·0 m. to 31·9 m. from December 6th.

DECEMBER—ZONE 5 (Western Half).

Between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
511	San Francisco	37 48	122 26	47·2	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
512	San Luis Obispo	35 18	120 39	61·3	1014·3	1020·0	— 0·3	285·3	289·7	27th	279·4	275·8	13th	282·3	*282·3*	—1·2	82	— 22
513	San Diego				1012·7	1020·3	+ 0·6	291·7	301·3	28th	277·7	271·3	9th	284·7	*283·7*	—0·9	115	+ 18
514	Modena	32 43	117 10	26·5	1015·6	1018·9	+ 1·0	291·6	301·9	28th	281·7	278·6	13th	286·7	*286·3*	+0·1	12	— 32
515	Santa Fé	37 48	113 54	1670	836·4	1023·7	+ 2·4	276·5	283·6	25th	262·9	250·8	9th	269·7	*269·3*	—0·5	10	— 3
516	Denver	35 41	105 57	2138	788·0	1021·0	+ 2·5	279·5	285·2	4th	268·9	259·1	14th	274·2	*273·6*	+1·5	8	— 10
517	Abilene	39 45	105 0	1613	837·9	1021·3	+ 2·8	280·3	293·0	29th	266·8	244·1	9th	273·6	*273·0*	—0·1	11	— 7
518	Saint Louis	32 23	99 40	530	959·8	1022·7	+ 3·3	280·3	295·8	30th	272·2	260·8	14th	279·2	*279·0*	—1·2	6	— 25
519	Mobile	38 38	90 12	173	1000·8	1022·0	+ 1·8	276·1	286·3	12th	267·3	255·8	10th	271·7	*271·6*	—3·3	31	— 23
520	Nashville	30 41	88 2	17·4	1019·7	1022·0	+ 1·4	290·7	298·0	7th	280·8	271·3	15th	285·8	*285·1*	+1·3	138	+ 18
521	Charleston	36 10	86 47	166	1002·3	1022·7	+ 1·7	281·7	291·9	6th	271·8	261·9	14th	276·8	*276·9*	—1·2	83	— 18
522	Washington	32 47	79 56	14·6	1019·5	1021·3	+ 0·5	288·4	299·1	9th	279·1	271·9	15th	283·8	*283·8*	+0·1	5	— 69
523		38 54	77 3	34·1	1017·0	1021·3	+ 1·2	287·1	293·6	7th	268·5	259·7	21st	273·3	*272·8*	—2·5	84	+ 2
524	Bermuda	32 17	64 46	46·0	1013·7	1019·2	+ 0·3	294·7	298·6	10th	289·7	285·2	17th	292·2	*291·7*	+0·4	166	+ 46
530	Santa Cruz (Flores)	39 27	31 9	28	1024·3	1027·4	+ 7·8	291·0	294·3	3rd	287·1	288·6	24th	289·1	*289·4*	+0·8	39	—158
531	Horta	38 32	28 38	65	1021·0	1028·4	+ 7·7	291·2	293·7	8th	287·4	284·6	1st	289·3	289·1	+0·4	40	— 82
532	Ponta Delgada	37 44	25 40	22	1026·6	1028·5	+ 7·0	290·0	291·5	3rd, 31st	287·0	283·8	2nd	288·5	288·4	—0·1	..	..
532*a*	Feja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	65	— 60
533	Madeira (Funchal)	32 37	16 54	25	1024·7	1027·7	+ 6·8	293·1	297·2	21st	287·9	286·0	27th, 28th	290·5	*290·4*	+0·9	27	— 77
534	Lisbon	38 43	9 9	95	1013·7	1025·3	+ 4·8	286·8	291·0	20th	282·1	277·8	26th	284·5	*284·5*	+0·5	68	— 35
535	Gibraltar	36 6	5 21	16·2	1021·8	1023·8	+ 3·7	288·8	292·0	2nd, 22nd	281·7	276·8	27th	285·2	*285·3*	—1·1	46	— 96
536	Melilla	35 18	2 59	8	‡1018·9	‡1019·9	+ 0·3	289·1	291·0	5th	280·1	278·0	28th	284·6	*286·4*	—3·2	46	— 9
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

DECEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1017·3	1020·1	+ 2·7	287·2	291·2	6th	279·1	275·4	10th, 11th	283·1	..	—1·8	18	— 25
538	Algiers (Bouzaréah)	36 48	3 2	343	980·4	1021·4	+ 2·2	285·8	288·3	25th	281·2	275·3	9th	283·5	283·5	—0·5	50	— 6
539	Tunis	36 48	10 10	21	1016·9	1019·4	..	287·7	292·5	7th	280·1	276·0	12th	283·9	*283·6*	—0·7	74	— 5
539*a*	Malta	35 54	14 31	56·4	..	1016·0	— 0·8	288·4	293·3	1st	284·2	280·2	11th	286·3	*285·8*	—1·1	139	+ 59
540	Riposto	37 41	15 14	14·2	..	1016·9	— 0·8	287·0	290·8	1st	281·6	279·5	21st	284·3	*284·3*	—1·1	120	+ 45
541	Athens	37 58	23 43	107	1001·3	1014·3	— 2·3	287·0	291·2	1st	280·7	276·1	20th	283·8	283·7	+0·3	45	— 20
542	Alexandria	31 12	29 53	32·0	1013·3	1017·1	— 1·3	292·8	298·7	2nd	284·8	279·4	12th	288·8	*288·5*	—0·3	120	+ 56
543	Cairo (Helwan)	29 52	31 20	116	1004·2	1018·2	— 0·6	293·2	301·8	22nd	282·5	279·5	12th	287·9	287·6	+0·1	1	— 1
544	Nicosia (P.W.D.)	35 9	33 22	159	..	1015·1	— 2·8	289·8	293·6	1, 3, 10	280·0	276·9	20th	284·9	..	+0·8	109	+ 63
544*a*	Beirut	33 54	35 28	33·7	..	1015·7	— 1·2	291·2	294·9	4th	286·2	282·4	19th	288·7	*288·4*	0·0	243	+ 177
545	Baghdad	33 21	44 28	38·1	..	1019·5	— 0·8	290·7	294·3	3rd, 13th	280·1	276·9	21st	285·4	*284·3*	+0·8	30	— 25
546	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546*a*	Lenkoran	38 46	48 52	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	..	..	..	283·9	287·7	30th	274·2	271·9	22, 23, 24	279·1	*278·6*	+0·3	40	+ 24
549	Seistan				..	..	..	..	..	..	..	..	..	..	..	..	..	..
550	Quetta	31 0	61 30	?	..	..	..	289·4	294·4	9th	275·2	269·6	14th	282·3	..	..	21	— 14
551	Peshawar	34 2	71 37	1677	835·9	..	— 0·9	284·3	291·7	10th	270·0	265·5	15th	277·2	*276·7*	—1·9	23	— 14
551*a*	Lahore	31 34	74 20	339	980·5	1021·8	— 0·2	288·4	293·4	5th	276·6	271·8	9th	282·5	*281·3*	—2·2	110	+ 69
552	Simla	31 7	77 8	214	993·4	1019·5	— 0·1	292·6	297·3	2nd	278·8	272·6	31st	285·7	*284·7*	—0·9	17	— 14
552*a*	Leh	34 10	77 42	3503	782·6	..	— 0·2	282·3	286·8	1st	276·6	272·0	29th	279·4	*278·9*	—0·6	24	— 7
559	Hankow	30 35	114 17	37·0	1024·9	1029·5	+ 1·1	283·0	288·0	3rd	275·3	268·4	30th	279·1	*278·9*	—0·1	13	— 3
560	Tientsin	39 10	117 10	5·0	1028·7	1029·3	+ 1·1	275·5	281·8	6th	266·5	260·2	30th	271·0	*270·9*	+0·4	3	— 3
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1027·3	+ 1·4	282·9	288·9	26th	273·3	264·1	31st	278·1	277·7	—0·9	25	— 7
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1016·9	1025·6	+ 1·0	275·5	282·0	3rd	267·7	258·3	30th	271·6	*271·1*	—1·0	19	— 7
562*a*	Nagasaki	32 44	129 52	133	1006·0	1022·4	+ 0·4	283·3	290·7	6th	276·6	271·9	29th	279·9	279·6	—1·2	78	+ 52
563	Kioto	35 1	135 44	42·9	1014·1	1019·4	+ 0·3	284·6	291·4	4th	273·7	270·6	19th	279·1	277·8	+0·5	69	+ 43
564	Tokio	35 41	139 45	21·3	1012·7	1015·3	— 1·1	283·5	289·6	7th	274·2	269·9	23rd	278·9	278·3	+0·1	88	+ 62
565	Kanayama	37 53	140 46	24·6	1012·0	1015·0	— 1·0	280·6	289·1	4th	272·3	268·7	19th	276·5	276·3	+0·3	144	+ 118
566	Miyako	39 38	141 59	30·4	1009·5	1013·3	— 0·9	281·1	288·0	7th	270·8	265·7	23rd	275·9	275·0	—0·2	110	+ 84

DECEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude. N.	Longitude. W.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1016·2	— 0·2	294·2	296·9	27th	288·7	283·6	23rd	291·4	..	..	39	— 25
605	Honolulu	21 19	157 52	11·6	1014·5	1015·8	— 0·5	298·8	300·8	..	293·2	290·8	..	296·0	*295·8*	+0·6	23	— 15
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	862·6	1021·1	..	290·7	297·5	5th	276·3	268·2	28th	283·5	*283·5*	..	13	— 7
616	Leon	21 7	101 41	1809	823·3	1015·5	+ 1·6	294·3	298·6	2nd	281·3	277·0	27th	287·8	*287·8*	+1·4	0	— 6
616*a*	Monterry	25 40	100 18	528	958·2	1019·5	..	292·8	305·9	13th	281·4	273·0	14th	287·1	*286·7*	..	19	+ 13
617	Tulancingo	20 5	98 22	2180	793·1	..	..	..	293·0	..	..	274·0	..	..	284·8	—0·2	30	+ 24
618	Galveston	29 18	94 50	16·5	1020·4	1022·3	+ 2·1	290·9	297·4	8th	283·0	271·9	14th	287·0	*287·0*	+0·5	51	+ 45
618*a*	New Orleans	29 57	90 4	16·2	..	1022·0	+ 1·8	291·1	300·2	9th	282·6	274·1	15th	286·9	*286·4*	+1·0	21	— 6
619	Merida, Yuc.	20 58	89 38	22	1015·6	1018·0	..	300·9	305·2	9th	292·8	287·2	31st	296·8	*296·3*	..	2	— 15
620	Havana	23 8	82 21	24·3	..	1018·7	+ 0·9	299·2	303·1	14th	293·7	286·8	31st	296·5	*295·9*	+0·8	52	+ 35
620*a*	Key West	24 33	81 48	6·7	1018·3	1018·9	+ 0·2	297·7	301·3	14th	292·8	288·0	31st	295·2	*294·6*	+0·5	28	— 7
621	Nassau, Bahamas	25 5	77 21	3·7	..	1015·5	— 2·9	297·4	299·7	2nd, 3rd	292 4	287·4	31st	294·9	*294·8*	—0·7	60	+ 39
622	Watling Island	24 6	74 26	33·5	1014·6	1018·5	+ 1·2	..	301·3	28th	..	294·7	30th, 31st	..	*297·9*	..	..	..
633	Izaña	28 19	16 30	2367	770·1	..	..	279·2	283·0	10th	273·2	270·8	18th, 27th	276·2	*275·9*	..	33	— 19
634	La Laguna	28 28	W16 20	547	957·3	1021·4	+ 2·5	289·4	292·8	2nd	283·6	279·3	27th	286·5	*286·0*	+0·2	80	+ 54
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	— 23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642					..	..	..	..	..	..	..	..	..	..	..	..	..	..
643	Aswan	24 2	32 53	99·6	1005·3	1017·2	+ 0·2	297·0	305·7	22nd	283·4	279·0	13th	290·2	*289·4*	—0·3	..	..
644	Tor	28 14	33 37	1·9	1016·7	1016·9	— 0·1	294·7	299·2	3rd, 22nd	283·3	279·5	15th	289·0	*288·4*	0·0	..	..
647	Bushire	28 59	50 53	4·3	1017·6	1018·2	— 1·0	294·2	300·9	8th	285·7	282·4	27th	290·0	*289·6*	+0·4	42	+ 29
648	Jask	25 44	57 47	4·0	1017·7	1018·2	— 0·6	299·0	302·7	3rd	288·7	285·8	17th	293·8	*293·4*	—0·7	68	+ 54
649	Robat	29 45	60 55	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
649*a*	Karachi	24 53	66 57	4·0	1017·9	1018·4	0·0	298·3	302·5	4th	287·9	284·8	29th	293·1	*292·7*	—0·4	3	— 3
650	Jacobabad	28 17	68 29	56·7	1012·6	1019·4	+ 0·2	296·1	301·4	1st	280·0	277·2	14th	288·1	*287·3*	—0·8	9	— 9
651	Jaipur	26 56	75 52	436	968·6	1020·0	+ 0·1	296·4	300·6	9th	282·1	277·9	18th	289·2	*288·1*	—1·3	17	— 11
652	Nagpur	21 8	79 5	310	981·8	1017·9	— 0·1	300·3	302·1	8th	285·1	281·2	22nd	292·7	*292·3*	—0·3	2	— 2
653	Allahabad	25 25	81 51	94·1	1008·2	?1019·5	?+ 0·8	297·4	300·7	10th	281·9	277·8	20th	289·7	*288·6*	+0·2	1	— 1
653*a*	Darjiling	27 3	88 18	2266	777·5	..	— 0·4	283·6	287·0	26th	276·3	274·3	18th	279·9	*279·4*	+0·8	0	— 1
654	Calcutta	22 36	88 23	6·4	1016·3	1017·1	— 0·3	298·2	299·4	15th	286·3	284·2	19th	292·2	*291·7*	+0·2	0	— 1
655	Gauhati	26 8	91 41	59·7	1011·2	1018·4	0·0	297·4	299·2	2nd	285·0	282·3	22nd	291·2	*290·6*	+0·8	1	— 1
655*m*	Cherrapunji	25 15	91 42	1314	871·3	..	+ 0·3	289·9	293·4	15th	281·6	279·1	10th	285·8	*285·1*	+0·1	38	+ 36
655*a*	Akyab	20 11	92 56	6·1	1014·5	1015·2	— 0·3	298·7	300·3	3rd	289·7	286·9	19th	294·2	*293·5*	—1·2	17	+ 15
656	Mandalay	21 59	96 0	76·2	1008·3	1017·4	+ 0·5	301·3	304·7	3rd, 7th	289·0	285·8	22nd	295·1	*294·4*	+0·3	17	+ 15
656*a*	Tengyueh	24 59	98 35	1633	836·2	..	..	289·4	292·4	28th	275·4	273·0	12, 13, 20	282·4	*281·7*	..	18	+ 16
657	Phu Lien	20 48	106 37	116	1006·7	1020·6	+ 0·6	293·5	299·3	27th	287·6	282·7	30th	290·6	*289·6*	—1·0	15	+ 13
658	Moncay	21 31	107 51	9·0	1019·9	1021·0	+ 1·1	293·4	297·3	5th, 8th	285·8	280·4	31st	289·6	*290·0*	—0·7	18	+ 16
659	Hong Kong	22 18	114 10	33·2	..	1021·3	+ 1·6	291·8	295·2	27th	286·9	280·5	30th	289·3	289·1	—0·9	60	+ 57
660	Amoy	24 27	118 4	ca.3	1022·4	1022·8	+ 0·6	291·7	296·3	4th	285·2	279·1	30th, 31st	288·4	*288·2*	—1·2	..	..
661	Taihoku, Formosa	25 2	121 31	9·3	1020·9	1022·0	+ 1·4	291·7	299·6	26th	286·0	274·9	30th	288·8	288·5	—1·3	156	+ 120
661*a*	Basco (Santo Domingo)	20 28	121 59	18·7	..	1014·4	+ 0·2	297·4	301·9	3rd	292·9	?287·2	29th	295·1	*295·1*	—0·8	502	+ 472
662	Naha	26 13	127 41	10·5	1018·8	1020·1	+ 0·2	293·8	298·9	3rd	287·5	281·4	30th	290·7	290·5	—0·1	72	+ 42
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1016·1	1016·6	— 0·6	295·0	299·7	1st	290·2	284·9	21st	292·6	292·6	+0·1	161	+ 131
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

† For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110

DECEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·8	1012·0	..	303·3	305·8	5th	294·5	291·0	27th	298·9	*298·2*	..	1	..
716	Morelia	19 42	101 7	1923	810·9	1012·3	..	292·2	294·6	5th	..	..	..	..	*288·5*	..	5	..
718	Mexico, Tacubaya	19 24	99 12	2309	776·8	1017·0	+ 1·6	293·5	297·0	2nd	279·2	275·2	28th	286·4	285·3	+0·1	11	+ 5
719	Salina Cruz	16 12	95 12	56	1007·4	1013·9	..	301·8	304·4	14th	295·3	292·4	24th	298·6	*298·2*	..	3	..
719*b*	San Salvador	13 42	89 13	‡665	936·8	1011·3	— 0·4	307·1	309·4	9th	288·7	284·0	24th	297·9	*295·3*	+1·2	4	— 8
720	Belize	17 29	88 12	5·2	1016·4	1017·0	+ 1·2	299·9	302·4	3rd	293·7	288·8	31st	296·8	*296·4*	0·0	269	+ 76
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·1	+ 0·1	302·8	304·9	12th	294·0	290·6	22nd	298·4	*298·1*	+0·1	38	— 16
722	Port au Prince	18 34	72 22	37·4	1010·9	1015·2	+ 0·6	304·5	306·0	14th	294·5	292·6	22nd	299·5	*298·6*	+1·0	18	— 23
723	Caracas	10 30	66 55	1042	899·5	1015·5	0·0	301·6	303·0	6th, 16th	294·1	291·3	3rd	297·8	*297·3*	..	107	..
724	Montserrat	16 41	62 9	39·6	1010·0	1014·6	+ 0·5	301·7	303·0	4th, 5th	295·9	294·1	25th	298·8	*298·2*	+0·2	134	— 54
725	Grenada (Richmond Hill)	12 5	61 46	155	994·8	1012·6	+ 0·5	301·7	303·0	5th	294·7	291·7	4th	298·0	*297·1*	—0·1	93	— 2
726	Barbados	13 8	59 36	55·2	..	1013·7	+ 0·5	301·3	302·0									
727	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·9	1016·2	+ 1·6	296·8	299·0	1st	290·2	288·5	14th	293·5	*294·7*	—2·2	2	— 5
728	San Tiago, C. Verde Is.	14 54	23 31	?40	..	..	..	300·1	302·8	10th	295·2	292·8	25th	297·6	*297·1*	+0·9	1	— 7
729	Bathurst	13 27	16 36	1·8	1013·4	1013·6	+ 0·8	302·2	306·9	1st	..	..	..	..	*298·7*	+0·6	0	— 3
730	M'Carthy Island	13 33	14 45	1·1	..	..	..	305·9	309·1	4th, 31st	289·6	287·4	29th	297·7	..	—0·5	0	— 1
731	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
732	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
733	Sokoto	13 2	E 5 14	353	..	..	..	303·6	306·3	18th	288·1	284·1	9th	295·8	*295·4*	—0·8	0	0
734	Kaduna Capital	10 32	7 25	637	944·3	1016·2	+ 1·0	303·7	305·8	11, 15, 21	286·2	283·6	14th	294·9	*294·4*	—1·0	0	0
735	Hadejia	12 40	10 5	?	..	..	..	304·3	309·7	21st	284·5	280·8	29th	294·4	*293·9*	—0·6	0	..
736	Maiduguri	11 47	13 11	361	..	..	..	306·2	310·8	21st	286·5	284·1	28th	296·3	*295·9*	+0·1	0	0
737	El Fasher	13 32	25 18	730	..	..	..	304·4	308·0	25th	282·8	279·8	25th	293·6	..	..	0	..
738	El Obeid				..	..	..	303·8	308·5	2nd	285·5	281·5	25th	294·7	*294·2*	+0·8	0	0
739	Khartoum	13 11	30 14	569	..	..	..	304·2	308·2	22nd	288·8	285·5	25th	296·5	*296·6*	+0·1	0	0
740	Port Sudan	15 37	32 33	390	967·9	1012·3	+ 0·2	304·2	sev. dates	295·3	292·5	26th	298·2	*297·9*	+0·5	60	+ 43
741	Berbera, Somaliland	19 37	37 13	5·5	1012·6	1013·2	— 1·0	301·1	302·5	1, 14, 19	292·3	290·8	5th, 30th	298·7	*299·4*	+1·3	0	— 2
742	Aden	12 45	45 2	9·5	1016·8	1017·8	+ 1·7	305·1	306·9	17th	295·3	293·6	24th	297·7	*297·3*	—0·5	3	0
743	Bombay	18 54	72 49	11·3	1013·1	1016·3	— 0·2	300·1	304·1	19th	294·2	289·5	29th	298·2	*297·9*	+0·2	0	— 2
744	Cochin	10 58	76 21	2·7	1013·1	1014·3	— 1·0	302·2	304·9	19th	294·2	289·5	29th	298·2	*297·9*	+0·2	0	— 2
745	Kodaikanal	10 14	77 28	2343	1012·1	1012·5	— 0·7	304·2	306·5	20th	296·6	294·7	12th, 22nd	300·4	*300·0*	+0·3	69	+ 24
746	Bangalore	12 59	77 38	920	771·5	..	— 0·4	304·2	306·5	20th	296·6	294·7	12th, 22nd	300·4	*300·0*	+0·3	69	+ 24
747	Madras	13 4	80 14	6·7	912·6	1014·3	— 0·6	299·2	302·6	14th	292·7	291·0	11th	295·9	295·6	+0·5	112	— 16
748	Vizagapatam	17 42	83 19	11·6	1013·4	1014 1	— 1·0	301·7	303·1	18th	295·5	292·8	11th	298·6	*298·1*	+0·8	151	— 1
749	Port Blair	11 40	92 40	17·7	1014·5	1015·9	— 0·5	300·1	301·4	2nd	294·1	290·9	21st	297·1	*296·7*	+0·5	1	— 21
750	Rangoon	16 46	95 48	5·5	1010·4	1012·4	— 0·5	302·6	304·1	14th	298·2	296·4	1st	300·4	*300·0*	+0·1	258	+ 84
751	Saigon	10 47	106 42	11·2	1014·2	1015·0	0·0	303·8	305·2	14th	292·8	290·9	22nd	298·3	*297·4*	+0·2	18	+ 9
752	Nhattrang	12 15	109 12	3·6	1010·3	1011·6	+ 0·5	303·6	304·8	13th	294·7	291·2	30th	299·2	*298·7*	+0·5	66	+ 4
753	Bolinao	16 24	119 53	7·1	1013·6	1014·0	+ 0·6	300·0	301·9	5th, 7th	294·0	290·9	17th	297·0	*296·6*	—0·8	85	—107
754	Vigan	17 34	120 23	12·2	..	1009·3	— 0·5	303·5	305·3	2nd	295·9	293·0	31st	299·7	*299·0*	—0·5	8	— 4
755	Manila	14 35	120 59	14·2	..	1010·9	0·0	304·1	307·3	1st	294·8	291·6	30th	299·5	299·2	0·0	0	— 7
756	Ormoc	11 0	124 36	5·6	..	1011·2	— 0·1	303·2	305·5	7th, 8th	294·6	291·5	31st	298·9	298·1	0·0	26	— 35
757	Guam, Ladrone Is.	13 24	144 38	20·4	..	1009·0	+ 0·6	304·6	306·2	7, 17, 25	295·0	291·8	15th	299·8	*298·9*	+0·4	193	— 1
		N.	E.			1009·0	+ 0·2	302·3	303·6	16th	297·4	296·2	8th	299·9	*299·6*	0·0	117	— 12

DECEMBER—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude. N.	Longitude. W.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
761	Fanning Island	3 55	159 23	3·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
762	Colon	9 23	79 23	11·0	..	1011·3	+ 0·6	302·5	303·6	10th	297·3	294·7	13th	299·9	*299·5*	+0·5	187	—110
763	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	112	+ 48
764	Merida, Venez.	8 36	71 9	1641	‡841·6	..	..	295·5	298·5	15th	287·2	285·0	23, 24, 27	291·3	*290·5*	..	147	..
765	El Peru, Guayanavieja	7 19	61 49	220	?984·4	?1009·6	— 0·2	..	..	..	..	..	..	..	..	..	‡296·6	+ 120
766	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1012·7	+ 0·9	302·4	303·6	1st, 3rd	296·9	294·7	8th	299·7	*299·2*	+0·2	217	— 67
767	Paramaribo	5 49	55 9	3·7	1013·0	1013·4	+ 1·3	303·0	304·9	1st	295 0	293·7	11th	299·0	*298·1*	+0·3	251	+ 29
768	Cayenne	4 56	52 21	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
769	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
770	Freetown, Sierra Leone	8 29	13 9	68·3	1003·9	1011·8	+ 0·7	304·2	305·8	14th	296·9	294·7	23rd	300·6	*299·6*	+0·1	7	— 31
771	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	6	— 22
772	Accra	5 33	W 0 12	25·7	..	..	..	303·0	..	..	295·2	..	29th	299·1	..	—0·6	0	— 18
773	Lagos	6 27	E 3 24	4·6	1011·4	1011·9	..	303·7	305·3	..	296·8	294·7	..	300·3	*299·8*	—0·1	33	+ 12
774	Zungeru	9 48	6 10	130	..	..	..	307·5	310·8	11th	290·7	287·4	1st, 5th	299·1	*298·6*	—0·1	0	— 2
775	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
776	Yola	9 12	12 30	259	..	..	..	307·0	309·7	11th, 23rd	..	..	..	..	‡297·9	—0·8	0	0
777	Wau	7 42	28 3	440	959·6	1009·0	— 0·4	309·9	312·5	31st	290·7	289·0	15th	300·3	*298·8*	+1·0	0	0
778	Malakal (Kodok)	9 35	31 37	394	964·9	1009·2	— 0·5	309·4	312·1	23rd	290·0	286·1	25th	299·7	*298·5*	..	0	0
779	Mongalla	5 11	31 47	439	959·0	1008·3	0·0	309·3	310·5	29th	..	..	..	..	‡298·4	..	11	+ 3
780	Entebbe	0 5	32 29	1171	883·8	..	+ 0·2	300·1	?302·2	6th, 22nd	289·8	?288·0	24th	294·9	*294·3*	+0·2	39	— 90
781	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
782	Mimicoy	8 17	72 49	2·1	1012·6	1012·8	0·0	..	..	..	..	..	..	..	..	..	113	+ 22
783	Colombo Observatory	6 54	79 53	7·3	1009·4	1010·2	— 0·4	302·8	305·3	19th	295·9	294·3	2nd	299·3	*298·9*	+0·2	236	+104
784

DECEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..		..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	304·1	309·2	9th	296·5	294·8	23rd	300·3	*299·4*	—0·7	179	—
926	Taperinha	2 30	54 20	20·0	1007·8	1010·1	— 0·1	305·3	307·2	9th	296·0	294·4	27th	300·6	*299·6*	+1·0	75	—
927	Turyassu	1 43	45 26	15·1	1008·8	1010·5	+ 0·3	308·0	309·0	17th	296·6	295·7	13th	302·3	*300·4*	+0·4	40	—
928	Barra do Corda	5 30	45 16	81·0	999·4	1008·6	— 0·7	309·6	310·8	3rd	293·8	292·8	6th	301·7	*299·7*	+0·7	0	—
929	Quixeramobim	5 16	39 15	207	987·9	1011·1	+ 0·5	306·8	308·1	28th	295·4	296·8	4th	302·6	*301·9*	+0·3	5	—
930	Fernando Noronha	3 50	W32 25	106	1000·5	1012·6	+ 0·7	300·8	301·6	18th, 19th	296·9	296·2	2nd	298·8	*298·2*	..		
939	Loanda	8 49	E 13 13	59·3	..	1012·3	+ 1·2	300·7	302·4	24th	296·6	294·8	4th	298·7	298·5	+0·6	35	—
940	Brazzaville	4 17	15 16	320	975·8	1011·9	+ 0·3	305·0	307·0	sev. dates	295·1	293·0	2nd	300·1	*299·4*	+1·4	48	—
943	Masaka	0 21	31 47	?1280	..	..	..	298·8	301·3	2nd, 3rd	..	..	..	..	*293·1*	+0·5	43	—
944	Nairobi	1 14	36 44	1800	..	..	..	296·9	299·7	31st	282·4	277·4	22nd	289·7	*289·2*	—0·4	29	—
944*a*	Zanzibar	6 10	39 11	21·9	1011·0	1013·5	+ 0·1	303·4	304·7	26th	299·6	297·9	16th, 30th	301·5	*301·1*	+0·5	119	—
945	Lamu	2 16	40 50	3·1	..	..	..	302·4	305·2	8th, 25th	298·0	295·8	11th	300·2	*299·8*	—0·1	14	—
947	Seychelles, Port Office	4 37	55 27	4·6	1011·0	1011·5	— 0·1	301·9	302·9	..	298·7	297·1	..	300·3	*299·7*	+1·2	322	—
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	550	—
958	Batavia	6 11	106 50	8·0	1008·7	1009·6	0·0	303·1	306·8	5th	296·5	295·1	11th	299·8	299·2	+0·4	373	—
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	230	—
959	Passeroean	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	493	—
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..		
962	Ambon	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	71	—
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	340	—
965	Daru	9 4	143 13	7·6	..	1009·3	+ 0·4	303·6	..	..	..	..	..	..	‡*300·5*	—0·7	12	—
966	Port Moresby	9 29	147 9	39·0	..	1010·1	+ 1·5	304·3	..	..	297·5	..	..	300·9	*300·4*	—0·4	11	—
967																		
968	Rendova	8 30	157 12	1·8	1008·1	1008·2	+ 1·4	..	..	..	..	..	..	..	..	..	307	—
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·3	1008·5	+ 1·4	304·9	306·7	19th, 31st	297·6	295·7	22nd	301·2	*301·0*	+0·2	170	—
970	Ocean Island	0 52 S.	169 35 E.	54·0	1000·3	1006·4	— 0·6	303·2	305·2	19th	297·0	295·2	10th, 26th	300·1	*299·4*	—1·0	354	—

DECEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.															
1002	Apia, Samoa	13 48	171 46	2	..	1007·8	— 0·6	303·4	306·0	29th	296·8	294·9	22nd	300·1	300·5	+1·2	250	—
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	303·9	306·3	20th	296·3	292·4	27th	300·1	*299·9*	+0·9	487	—
1007	Makatea	15 47	148 14	147	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	760·9	..	+ 0·4	292·6	294·9	6th	283·3	281·3	27th	287·9	*287·3*	+0·2	23	—
1022	Puerto de Arica	18 28	70 20	5	..	..	..	295·9	298·2	sev. dates	289·9	288·0	5th	292·9	*294·6*	+1·3	0	—
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	995·6	1009·0	+ 0·4	303·7	307·8	1st, 7th	294·9	292·8	15th	299·3	*298·4*	—1·5	393	—
1026	Cuyaba	15 36	56 6	165	990·4	1009·2	+ 0·7	303·0	305·6	1st	297·2	295·6	26th	300·1	*299·6*	—0·7	280	—
1027	Bello Horizonte	19 55	43 57	857	917·9	1013·4	+ 1·6	297·8	301·4	9th	291·0	289·6	12th	294·4	*293·6*	—0·5	340	—
1028	Caetite	14 3	42 37	900	914·7	1012·9	+ 1·0	301·4	304·7	4th	291·6	290·0	21st	296·5	*297·0*	+1·2	110	—
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·9	1012·3	+ 0·4	302·6	303·7	15th	296·1	294·6	31st	299·4	*298·7*	+0·2	53	—
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	945·1	1016·9	— 0·2	294·8	296·9	13th	286·1	285·2	1, 10, 19	290·4	*289·9*	+0·6	28	—
1042	Gwelo	19 28	E 29 48	1417	860·8	..	+ 0·1	299·3	306·9	9th, 10th	288·1	283·0	28th	293·7	..	—0·7	155	—
1043	Salisbury, Rhodesia	17 48	31 5	1457	854·9	..	— 1·2	300·8	305·2	7th	288·0	284·1	30th	294·4	*293·5*	+0·6	185	—
1044	Zomba	15 23	35 18	996	906·0	1015·5	+ 0·5	303·2	308·6	13th	291·7	289·7	5, 20, 28	297·4	*297·2*	+1·7	142	—
1045	Tananarive	18 55	47 32	1400	863·8	..	+ 0·4	300·1	302·8	7th	288·9	286·7	9th	294·5	*293·6*	+0·9	337	—
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·4	1011·9	+ 0·9	302·3	304·4	21st, 28th	297·5	296·1	12th, 14th	299·9	*299·5*	—0·1	95	—
1056																		
1057	Christmas Island	10 25	105 43	5·5	1007·7	1008·3	+ 0·2	303·9	305·8	..	296·8	295·2	..	300·4	*299·7*	+0·2	166	—
1058																		
1061	Koepang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	139	—
1061*a*	Derby	17 18	123 40	16·2	1008·1	1010·0	+ 2·5	308·0	314·2	1st	298·7	295·8	5th	303·3	..	—0·5	213	—
1062	Hall's Creek	18 13	127 46	374	968·0	1008·1	+ 1·0	310·2	316·2	2nd	298·1	294·9	30th	304·1	*303·5*	+0·4	96	—
1063	Darwin	12 28	130 51	29·6	1005·1	1008·4	+ 1·7	306·8	308·3	2nd	298·6	295·5	13th	302·7	*301·5*	+0·1	127	—
1064	Daly Waters	16 16	133 23	211	983·3	1006·3	+ 0·5	312·3	315·2	1st	298·2	295·2	6th	305·2	*304·6*	+1·0	27	—
1065	Mein	13 13	142 47	122	995·2	1008·6	+ 2·2	307·9	311·6	19th	295·8	291·3	1st	301·9	..	+0·4	102	—
1066	Georgetown, Queensland	18 22	143 32	302	977·1	1010·2	+ 2·3	310·1	314·1	19th	296·2	292·4	30th	303·2	..	+1·4	43	—
1067	Samarai	10 37	150 40	15·2	..	..	..	302·4	..	..	..	..	..	..	‡*300·1*	—1·1	176	—
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1009·4	— 0·4	301·3	304·1	9th	296·1	293·6	21st	298·7	*298·5*	—0·4	310	—
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

DECEMBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	585	+407
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·6	1014·8	+ 0·1	292·9	295·2	15th	287·6	285 3	1st	290·3	*289·9*	+1·2	0	0
1122	Iquique	20 12	70 11	9	..	..	..	299·6	300·3	9th	290·9	289·4	1st, 3rd	293·7	*293·2*	+0·1	0	0
1123	Catamarca	28 27	65 47	510	946·9	1003·0	— 2·3	307·8	314·5	13th	294·2	288·5	13th	301·0	301·2	+1·4	60	+ 21
1124	Salta	24 46	65 28	1178	880·3	1007·4	— 0·2	301·9	307·0	8th	289·5	284·0	22nd	295·7	295·9	+1·1	229	+122
1125	Goya	29 9	59 15	26	1006·2	1009·1	— 0·2	306·0	309·5	17th, 25th	293·2	287·6	9th	299·6	299·2	+1·5	73	— 42
1126	Asuncion	25 21	57 37	95	‡1002·5	‡101 3·5	+ 2·3	309·0	313·1	16th	294·7	290·0	15th	301·9	300·0	+0·5	111	— 40
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1005·6	1012·6	+ 1·0	300·1	307·0	31st	295·2	293·0	12th	297·6	297·5	+0·2	82	— 57
1139	Windhoek	22 35	E 17 5	1680	..	..	..	304·3	306·8	13th	291·5	287·8	30th	297·9	*297·8*	+1·5	14	— 36
1140																		
1141	Kimberley	28 42	24 47	1202	880·3	..	+ 0·3	306·6	309·4	7th	289·7	284·1	25th	298·1	298·1	+1·4	19	— 35
1142	Johannesburg	26 11	28 4	1806	823·8	..	+ 1·2	299·1	302·9	9th	286·0	280·5	19th	292·6	*292·2*	+1·2	77	— 46
1143	Pretoria (Brooklyn)	25 46	28 13	1400	862·4	..	+ 1·1	301·4	305·9	9th	287·9	283·3	19th	294·7	*294·3*	+0·4	98	..
1143	Bulawayo	20 9	28 35	1340	867·7	..	+ 0·6	300·5	307·6	..	289·6	284·1	..	295·1	*294·6*	0·0	53	— 78
1143	Durban	29 52	31 3	15·2	1014·3	1016·1	+ 0·3	298·7	302·1	30th	292·2	288·6	18th, 25th	295·4	*295·0*	—0·5	86	— 41
1144	Lorenzo Marques	25 58	32 36	59	..	1014·0	+ 1·3	302·6	314·5	12th	293·3	289·0	20th	297·9	297·6	—0·3	63	— 45
1147	Mauritius	20 6	57 33	55·2	1006·4	1012·8	— 1·2	303·9	306·1	30th	294·9	291·3	6th	299·4	298·9	+0·5	60	— 60
1159	Onslow	21 43	114 57	4·3	1007·9	1008·7	+ 1·5	309·9	315·8	5th	295·1	290·9	10th	302·5	..	+0·8	0	— 3
1160	Peak Hill	25 38	118 47	588	943·3	1006·5	+ 0·8	310·3	314·6	4th	295·7	288·6	10th	303·0	..	0·0	6	— 9
1161	Nullagine	21 53	120 5	386	966·3	1008·1	+ 2·4	310·7	315·8	2nd	297·0	293·1	20th	303·8	..	—0·8	135	+101
1162	Laverton	28 40	122 23	466	959·2	1010·9	+ 1·4	307·4	313·3	8th	292·6	288·6	28th	300·0	*299·8*	—0·4	81	+ 63
1163	Alice Springs	23 38	133 37	587	944·9	1008·0	+ 0·9	309·8	313·0	sev. dates	296·2	288·6	29th, 31st	303·0	*303·0*	+1·9	14	— 23
1164	William Creek	28 55	136 21	76·2	1002·7	1011·3	+ 1·2	309·3	319·4	10th	295·1	287·6	28th	302·2	*301·8*	+1·6	25	+ 15
1165	Boulia	22 55	139 38	146	991·2	1007·2	+ 1·4	314·0	317·9	4th	297·6	292·4	30th	305·8	*305·8*	+1·8	3	— 35
1166	Thargomindah	27 58	143 43	123	995·0	1008·4	+ 0·8	311·7	317·1	12th	297·6	290·3	8th	304·7	*304·3*	+2·7	9	— 27
1167	Mitchell	26 32	147 52	336	973·5	1010·0	..	308·8	316·1	16th	293·7	287·4	19th	301·3	..	+2·1	42	— 22
1169	Rockhampton	23 24	150 30	11·3	1011·9	1013·2	+ 2·7	305·4	313·6	15th	294·4	292·2	13th	299·9	..	—0·2	10	— 99
1170	Brisbane	27 28	153 2	41·7	1010·3	1015·0	+ 3·0	302·2	309·4	18th	293·2	291·0	22nd	297·7	*297·1*	0·0	40	— 86
1171	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1172	Norfolk Island	29 4 S.	167 59 E.	15·2	1015·7	1017·6	+ 4·1	296·3	299·1	25th	289·8	285·8	12th	293·1	*292·7*	—1·1	12	— 75

DECEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.															
1171	Juan Fernandez	33 37	78 50	10	..	..	..	292·8	296·4	22nd	286·8	283·7	3rd	289·8	*290·5*	+0·2	8	— 6
1172	Punta Tumbes	36 37	73 6	91	‡1005·8	‡1016·8	+ 0·8	291·3	294·6	14th	284·2	282·0	3rd, 18th	287·7	*287·6*	+0·4	10	— 1
1173	Punta Angeles, Valparaiso	33 1	71 38	41	1009·1	1013·9	— 0·9	295·9	299·9	5th	285·9	283·9	3rd	290·9	*290·4*	+0·2	0	— 5
1174	Santiago	33 27	70 42	520	953·5	1012·8	— 0·4	301·8	309·3	13th	284·4	280·4	1st	293·1	*292·6*	+1·0	0	— 5
1175	Cordoba	31 25	64 12	423	961·5	1009·3	0·0	303·9	312·1	..	289·2	281·0	18th	296·5	296·1	+0·8	132	+ 14
1176	Bahia Blanca	38 45	62 15	25	..	1010·6	+ 1·4	302·5	313·0	26th	288·2	281·0	18th	295·3	295·4	+0·8	77	+ 29
1177	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1012·4	+ 0·3	300·4	307·5	27th	289·4	281·7	9th	294·9	294·7	+1·2	164	+ 66
1178	Montevideo (Prado)	34 52	56 12	24·9	1009·9	1012·8	+ 0·8	300·2	309·8	27th	288·2	282·0	9th	294·2	294·5	+0·6	70	— 16
1179	Porto Alegre	30 2	W51 13	23·5	1010·2	1012·9	+ 1·4	301·2	309·4	17th	290·0	284·2	12th	295·6	295·7	—0·3	51	— 56
1180	Cape Town	33 56	E 18 29	12·2	..	1015·9	+ 1·2	299·1	308·0	28th	287·6	283·7	2nd	293·3	*292·0*	+0·5	5	— 17
1181	Danger Point	34 37	19 18	27·7	1012·8	1016·1	..	294·8	298·6	28th	288·2	284·1	18th	291·5	..	..	21	— 1
1182	Riversdale	34 6	21 16	?61	1003·6	1010·8	..	300·1	311·9	19th	285·4	279·1	18th	292·8	..	..	10	..
1183	East London	33 1	27 54	9·8	1013·4	1014·5	+ 1·0	297·6	301·3	3rd, 4th	290·0	286·3	17th	293·8	..	+0·5	32	— 50
1184	Perth (Observatory)	31 57	115 51	60·0	1008·0	1015·3	+ 1·9	298·3	310·7	29th	287·7	283·6	27th	293·0	*292·7*	—1·5	21	+ 6
1185	Katanning	33 42	117 35	310	979·2	1014·9	+ 1·8	301·2	309·4	29th	284·2	278·3	21st	292·7	..	—0·7	4	— 10
1186	Coolgardie	30 57	121 10	423	964·8	1012·2	+ 1·2	305·5	311·4	7th, 8th	288·9	284·4	28th	297·2	*297·0*	—0·1	52	+ 34
1187	Esela	31 45	128 58	4·6	1013·5	1014·1	+ 1·1	297·6	314·9	9th	280·1	283·8	25th	293·3	*292·7*	—0·3	31	+ 20
1188	Streaky Bay	32 48	134 13	13·1	1013·5	1014·9	+ 1·2	302·6	316·3	9th	288·4	283·6	18th, 29th	295·5	*294·7*	+1·2	27	+ 17
1189	Adelaide	34 56	138 35	42·7	1009·5	1014·4	+ 1·3	302·6	315·9	10th	288·9	283·3	29th	295·8	*295·3*	+1·0	29	+ 5
1190	Melbourne	37 49	144 58	35·1	1009·6	1014·0	+ 1·5	298·6	312·0	21st	287·1	281·9	18th	292·8	*292·5*	+1·9	94	+ 35
1191	Bourke	30 13	145 58	110	1001·6	1014·0	+ 1·5	310·8	318·0	11th	294·6	287·4	29th, 30th	302·7	..	+1·5	11	— 20
1192	Sydney	33 51	151 13	44·5	1008·8	1014·0	+ 2·1	298·4	310·8	22nd	290·9	286·4	30th	294·7	*293·9*	+0·5	79	+ 7
1193	Lord Howe Island	31 20	159 0	4·6	1017·2	1017·8	+ 3·8	298·0	300·7	26th	290·9	287·0	7th	294·4	..	—0·2	119	— 5
1197	Auckland	36 50	174 50	38·1	..	1015·2	..	293·1	296·3	17th, 18th	285·5	279·4	4th	289·3	..	—1·4	34	— 37
1198	Napier	39 32 S.	176 53 E.	21·3	..	1014·2	+ 2·6	295·5	302·4	18th	283·3	276·3	10th	289·4	..	—1·5	16	— 36

DECEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.															
1201	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	45	— 16
1202	Isla Guafo	43 34	74 45	140	996·2	1013 1	— 2·6	286·2	289·2	14th	281·7	279·0	16th, 17th	283·9	*283·8*	—0·5	128	+ 72
1203	Punta Galera	40 1	73 44	40	1011·6	1016·4	0·0	289·0	291·4	23rd	284·0	278·4	7th	286·5	*286·9*	+0·6	108	+ 30
1204	Sarmiento	45 30	69 0	274	..	1005·1	..	295·8	304·0	26th	282·5	277·0	9th	289·1	288·6	—0·2	0	— 5
1205	Puerto Madryn	42 49	W64 58	14	..	?1008·8	..	?298·5	?307·6	23rd	?284·1	?278·0	5th	?291·3	?291·1	+0·1	60	+ 56
1206	Launceston	41 27	E147 10	10·1	1011·1	1012·3	+ 3·3	297·5	303·6	31st	283·8	277·9	5th	290·7	*289·9*	+1·2	34	— 18
1207	Hobart	42 53	147 20	53·9	1005·2	1011·5	+ 2·1	295·4	306·8	21st	284·8	279·8	18th	290·1	*289·3*	+1·3	30	— 20
1208	Invercargill	46 25	168 21	5·5	..	..	..	290·2	298·6	17, 18, 28	280·6	276·3	1, 27, 28	285·4	..	—0·4	97	— 13
1209	Dunedin	45 52	170 31	91·4	..	1010·9	+ 1·8	290·9	301·3	17th	281·0	275·2	2nd	285·9	..	0·0	78	— 11
1210	Christchurch	43 31	172 38	7·6	..	1010·9	+ 1·5	292·8	300·3	19th	281·9	273·8	4th	287·3	..	—1·3	31	— 17
1211	Wellington	41 16 S.	174 46 E.	2·4	..	1013·6	+ 2·1	291·3	299·1	30th	283·6	276·6	4th	287·4	..	—1·3	61	— 20
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. *See* "Remarks," pages 113 and 114.

DECEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas .	52 24	75 6	55	992·3	999·0	— 3·3	282·7	286·5	7th	278·2	276·4	19th	280·5	*280·5*	—0·1	194	..
1422	Puerto de Punta Arenas .	53 10	70 54	4	998·0	998·5	— 0·1	289·1	291·7	sev. dates	278·9	275·6	20th	284·0	*284·2*	+1·2	10	— 21
1423	Punta Dungeness . .	52 24	68 26	5	997·6	998·2	— 2·3	287·3	294·6	23rd	278·9	276·6	8th	283·1	*283·6*	+0·1	10	— 21
1424	Santa Cruz . . .	50 11	68 21	12	..	1000·6	— 1·5	293·3	301·5	23rd	281·0	276·1	2nd	287·1	287·2	+1·1	8	— 23
1424*a*	Año Nuevo . . .	54 39	64 8	50	990·7	996·8	+ 0·7	283·7	287·0	28th, 29th	278·2	275·6	21st	281·0	280·7	+1·2	67	— 11
1425	Stanley, Falkland Is. .	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	60	..
1426	Cape Pembroke . .	51 41	57 42	21	..	999·6	— 0·2	284·0	291·3	29th	278·0	274·7	14th	281·0	281·2	—0·1	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

DECEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys. . .	S. 60 44	W. 44 39	7	993·6	994·5	+ 1·0	275·1	278·7	5th	271·2	268·2	16th	273·1	273·2	+1·0	10	— 15
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—DECEMBER 1919.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).		Entebbe. 844. Direction and Force (Beaufort).		Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).		Suva, Fiji. 1072. Direction and Force (Beaufort).	
	9h.	m/s		9h.	17h.	7h.	21h.	9h.	9h.	9h.	21h.	9h.	21h.
1	..	..	..	Calm 0	SSW 1	Calm 0	E 1	..	Calm 0	N 3	NW 3	NE 1	..
2	..	..	..	Calm 0	SW 1	N 1	W 2	..	NW 2	W 4	W 6	Calm 0	..
3	..	..	..	NE 1	WSW 1	SE 1	N 2	..	Calm 0	W 4	W 5	SE 1	..
4	..	..	..	Calm 0	SW 1	E 1	N 2	..	NW 2	NW 6	W 4	SE 1	..
5	..	..	..	SW 1	Calm 0	W 1	W 2	..	Calm 0	N 4	NW 3	SE 1	..
6	..	..	..	ENE 2	SW 1	E 1	Calm 0	..	Calm 0	NW 4	W 3	E 1	..
7	..	..	..	ENE 3	Calm 0	Calm 0	E 2	..	Calm 0	W 2	W 3	Calm 0	..
8	..	..	..	ENE 1	Calm 0	S 1	E 1	..	Calm 0	W 3	W 3	Calm 0	..
9	..	..	..	ENE 1	Calm 0	E 2	SE 2	..	S 2	W 6	W 4	Calm 0	..
10	..	..	..	Calm 0	Calm 0	W 2	W 2	..	Calm 0	NNW 3	NW 4	SE 1	..
11	..	..	..	NE 1	W 1	E 1	S 1	..	Calm 0	NNW 3	NW 3	SE 1	..
12	..	..	..	SW 2	SW 1	W 1	N 2	..	Calm 0	NW 3	NNW 5	SE 1	..
13	..	..	..	Calm 0	SSW 1	W 1	N 2	..	SE 2	E 3	E 3	E 1	..
14	..	..	..	ENE 1	SW 1	W 1	W 1	..	SE 2	E 3	E 3	Calm 0	..
15	..	..	..	Calm 0	SW 1	E 1	E —	..	SE 2	E 4	E 3	Calm 0	..
16	..	..	..	Calm 0	W 2	SE —	S —	..	SE 2	SSE 4	SE 3	SE 1	..
17	..	..	..	Calm 0	W 1	E —	SE —	..	Calm 0	E 4	N 4	W 1	..
18	..	..	..	Calm 0	Calm 0	W —	E —	..	Calm 0	E 4	E 3	W 1	..
19	..	..	..	Calm 0	Calm 0	E —	E —	..	Calm 0	E 3	ESE 4	W 2	..
20	..	..	..	Calm 0	Calm 0	E —	E —	..	Calm 0	SE 3	E 3	SW 1	..
21	..	..	..	E 1	E 1	E —	SE 1	..	SE 2	NE 1	W 2	S 1	..
22	..	..	..	ENE 3	Calm 0	E 1	S 2	..	SE 2	N 2	N 1	SE 1	..
23	..	..	..	ENE 3	SW 1	S 1	S 1	..	Calm 0	E 2	E 2	SE 1	..
24	..	..	..	ENE 1	Calm 0	S 1	E 1	..	SE 2	NE 2	E 2	SE 1	..
25	..	..	..	NE 1	Calm 0	.. ..	.. ..	..	SE 4	W 5	W 3	SE 1	..
26	..	..	..	Calm 0	Calm 0	.. ..	.. ..	..	SE 4	NW 4	NW 4	SE 1	..
27	..	..	..	NE 1	SW 1	E —	SE 2	..	Calm 0	N 2	N 1	SE 1	..
28	..	..	..	ENE 1	NW 1	N 1	E 1	..	SE 2	NNW 4	ENE 4	SE 1	..
29	..	..	..	Calm 0	Calm 0	E 3	N 1	..	Calm 0	NE 2	NE 1	S 1	..
30	..	..	..	Calm 0	SW 1	SE 1	E 1	..	Calm 0	W 4	N 5	Calm 0	..
31	..	..	..	Calm 0	WSW 1	N 1	E 2	..	Calm 0	W 4	W 3	E 1	..
Mean	..	..	..	0·8	0·6	1·1	1·5	..	1·0	3·4	3·2		
§Resultant	..	..	..	200° (6)		105° (30)		..	140° (28)	330° (33)		140° (15)	
§Normal	144° (91)	7·8	‖102° (77)	24° (6)		265° (44)		70° (81)	121° (9)	101° (20)		99° (15)	

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 632 metres. § Direction and "Constancy." For explanation *see* introduction.

STATE OF ICE IN THE ARCTIC SEA AND IN THE NORTH ATLANTIC.—DECEMBER 1919.

‡‡ *Spitsbergen.*—Firm ice in Icefjord, Green Harbour and Bell Sound.

‡‡ *Iceland* was free of ice as is usual in this month.

‡‡ *Denmark Strait.*—Off Angmagsalik the sea was filled with polar ice drifting southwest and leaving a land water. Many icebergs observed in the ice.

‡‡ *Davis Strait.*—West ice approached the Greenland coast from Disko Bay northwards but later on drifted some miles out to sea. The ice along the coast, which at Julianehaab was very extensive, was very thin and often broke up. No connection with Cape York was attained.

‡‡ *Isforholdene i de Arktiske Have*, 1919 and 1920, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, YEAR 1919.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1919 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70 N. **YEAR—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
965	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1024	Inglefield Bay . . .	77 27	66 40	?	..	..	..	..	283·6	July 18	..	..	..	..	..	..	..	..
1025	Upernivik	72 47	W56 7	18·9	1009·4	1011·8	+ 1·3	268·9	290·8	July 22	261·4	237·2	Mar. 3	265·1	*264·9*	+0·5	276	+ 50
1079	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1010·4	1011·9	+ 1·0	..	282·0	June 18	261·3	229·0	Dec. 9	..	264·7	+0·4	203	— 90
1133	Gjesvaer	71 6	25 22	6·5	1007·6	1008·4	+ 0·4	..	301·3	June 27	272·5	255·5	Feb. 19	..	*274·9*	+0·1	1172	+531
1134	Mehavn	71 1	27 47	6·4	1007·8	1008·6	+ 0·6	..	298·5	June 27	271·8	252·6	Dec. 21	..	*274·4*	+0·3	716	— 26
1135	Vardö	70 22	31 8	10·0	1008·7	1010·0	+ 1·0	..	289·8	Aug. 2	271·9	253·2	Feb. 18	..	*274·0*	+0·3	669	+ 10
1136	Malye Karmakouly . .	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1137	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Maudhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 70° N. and 60° N. **YEAR—ZONE 2.**

1023	Gambel	N. 63 51	W. 171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1024	Nome	64 30	165 24	6·7	..	1009·7	0·0	272·4	296·3	July 28	266·0	229·1	Jan. 25	269·2	*269·4*	—0·4	483	+ 71
1025	Candle	65 55	161 57	2·4	..	..	..	270·4	301·3	July 30	262·3	221·9	Jan. 28, 29	266·4	..	..	..	..
1026	Tanana	65 10	152 6	67·1	..	1011·5	— 1·2	273·2	304·7	July 28	263·4	218·6	Jan. 29	268·3	*268·4*	+0·5	338	+ 28
1027	Rampart	65 30	150 15	122	..	..	..	..	304·1	July 28	..	220·2	Jan. 29, 30	..	..	..	..	..
1028	Valdez	61 7	146 16	8·2	..	1011·2	+ 1·1	278·2	298·0	July 4	270·4	247·4	Jan. 18	274·3	*274·2*	—0·7	992	—353
1029	Eagle	64 46	141 12	254	..	1012·0	— 0·2	274·0	303·0	July 27, 28	262·7	221·3	Dec. 16	268·4	..	+0·2	265	— 6
1030	Dawson	64 4	139 20	328	972·8	1014·2	0·0	272·4	303·6	July 27, 28	261·0	225·2	Dec. 16	266·7	..	—1·1	405	+ 49
1031	Carcross	60 11	134 34	662	..	..	..	276·6	304·1	July 29	263·9	229·1	Feb. 28	270·2	..	—1·2	254	+ 25
1032	Fort Good Hope . .	66 25	128 53	65·2	1008·3	1016·9	..	269·3	304·7	Aug. 7	257·8	224·7	Mar. 13	263·5	..	..	199	— 5
1033	Fort Simpson . . .	61 52	121 35	129	997·9	1014·5	..	273·4	300·8	Sept. 16	262·1	225·8	Feb. 27	267·8	..	+0·6	254	— 93
1034	Hay River . . .	60 51	115 20	161	993·6	1014·2	..	273·0	303·6	June 20	262·7	224·1	Feb. 27	267·9	..	—0·2	288	..
1035	Jacobshavn . . .	69 13	51 2	12·6	1008·7	1010·3	+ 0·6	271·1	?201·7	July 24	263·4	235·0	Mar. 3	267·3	*267·4*	+0·1	242	+ 17
1036	Godthaab	64 11	51 43	9·0	1004·7	1005·9	+ 0·1	..	291·4	July 25	269·0	251·2	Jan. 6	..	*271·8*	+0·8	..	..
1037	Fvigtut	61 12	48 10	5·0	..	..	..	..	292·4	July 25	..	..	..	..	..	..	..	..
1038	Angmagsalik . . .	65 37	37 33	31·7	1005·1	1009·1	+ 2·0	..	291·6	July 11	..	241·0	Mar. 4	..	*270·8*	..	843	—101
1132	Stykkisholm . . .	65 5	22 46	11·3	..	..	..	..	294·7	July 26	..	253·5	Mar. 3	..	..	..	..	..
1133	Vestmanno . . .	63 26	20 15	7·7	1005·9	1006·8	+ 0·9	280·6	295·4	July 26	275·4	255·9	Mar. 3	278·0	*277·8*	—0·4	1494	+142
1134	Grimsey	66 33	17 58	22	1006·0	1008·7	+ 1·2	276·7	292·2	July 26	..	253·8	Mar. 4	..	*274·7*	+0·1	..	..
1135	Berufjord	64 40	14 19	18·0	1005·6	1007·8	+ 0·6	279·1	294·5	June 3	272·6	253·8	Mar. 4	275·9	*276·9*	—0·2	825	—339
1136	Thorshavn	62 3	6 45	26·3	1005·5	1008·7	+ 0·1	280·7	289·6	July 31	275·9	261·0	Mar. 4	278·3	*278·2*	—1·0	1162	—312
1137	Lerwick	60 9	W 1 8	18·0	..	1010·1	+ 0·8	..	289·7	4 months	..	266·9	Feb. 18	..	..	..	980	+ 16
1138	Bergen (Met. Obs.) .	60 24	E 5 19	44·4	1005·0	1010·5	— 1·0	281·8	296·6	July 4	276·8	262·3	Dec. 26	279·3	*279·2*	—0·9	1760	+ 29
1139	Christiansund . .	63 7	7 45	17·8	1007·5	1009·6	— 0·7	..	296·4	July 22	276·1	260·0	Dec. 26	..	*278·8*	—0·7	1191	+ 60
1140	Trondhjem . . .	63 26	10 25	39·5	1005·6	1010·5	— 0·1	280·6	301·1	July 21	273·8	249·8	Dec. 26	277·2	*277·1*	—0·7	667	—295
1141	Bodö	67 17	14 24	22·4	1006·4	1009·1	— 0·4	277·3	303·0	July 19	273·8	253·0	Dec. 24	..	*276·5*	—0·6	705	—270
1142	Haparanda	65 50	24 9	9·2	1009·5	1010·7	— 0·5	280·2	300·2	July 12	269·2	241·0	Dec. 28	273·3	*273·5*	+0·2	473	+ 5
1143	Helsingfors . . .	60 10	24 57	11·7	1011·1	1012·6	— 0·8	278·9	301·7	July 11	274·1	246·1	Dec. 21	277·1	*277·2*	—0·2	627	+ 16
1144	Kuopio	62 54	27 40	90·3	1000·7	1011·9	— 0·8	278·9	301·7	July 15	271·0	235·8	Dec. 21	274·9	*275·3*	—0·1	568	— 9
1145	Kola	68 53	33 1	6·7	1009·8	1010·7	+ 0·8	275·6	302·9	July 13	267·7	233·4	Dec. 23	271·7	*272·0*	—0·3	434	+134
1146	Petrozavodsk . . .	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1147	Arkhangelsk . . .	64 35	40 36	6·2	1011·1	1011·9	0·0	277·0	305·0	July 13	269·2	230·1	Dec. 21	273·1	*273·1*	—0·2	451	+ 24
1148	Mezen	65 50	44 16	12·6	1009·8	1011·4	+ 0·3	275·2	304·1	July 15	266·5	226·1	Dec. 21	270·9	*271·0*	—0·4	410	+118
	Ust-Tsylma . . .	65 25	52 14	? 70	..	..	..	..	..	..	..	?221·5	Dec. 21	..	..	..	..	..
	Tcherdyn	60 24	56 31	? 177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1149	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1150	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1151	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1152	Dondinka	69 23	86 4	20	1008·0	1010·6	— 2·1	..	298·5	Aug. 20	258·3	223·2	Jan. 14	..	*262·3*	..	127	..
1153	Touroukhansk . . .	65 47	87 57	45	..	..	..	..	..	..	..	?219·0	Feb. 10	..	..	..	..	..
1154	Iakoutsk	62 1	129 43	108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1155	Verkhoiansk . . .	67 33	133 23	100	1001·0	1014·3	+ 0·9	..	302·8	Aug. 1	252·7	209·9	Feb. 13	..	*258·2*	+1·6	146	+16
1156	Markovo-sur-Anadyr .	64 45	170 50	25·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1157	Novo-Mariinskii Post	64 45	177 33	22·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

YEAR—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	..	..	275·1	286·3	July 5, Aug. 3	271·0	240·8	Jan. 27	273·1	..	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1006·3	— 1·7	279·4	298·0	July 22	274·2	258·6	Jan. 21, 25	276·8	..	—0·5	..	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	..	‡297·4	July 7	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	1006·8	— 0·5	‡280·9	299·7	July 27	‡275·0	251·9	Jan. 27	‡277·9	..	..	‡1407	..
309	Sitka	57 3	135 19	27·4	..	1012·3	+ 0·4	282·8	296·3	Aug. 24, 25 / Sept. 2	275·7	259·1	Mar. 17	279·3	*279·2*	—0·2	1868	..
310	Prince Rupert	54 18	130 18	51·8	1005·6	1012·0	— 1·0	282·7	298·0	Aug. 24	277·2	258·6	Feb. 28	279·9	*279·8*	—0·6	2201	..
311	Barkerville	53 2	121 35	1274	867·9	1016·0	+ 0·1	278·8	298·6	July 15	268·6	240·8	Dec. 10	273·7	*273·6*	—1·4	1052	..
312	Kamloops	50 42	120 29	385	973·8	1020·2	+ 1·3	286·6	311·9	July 15	275·1	243·6	Dec. 11	280·9	*280·9*	—0·7	253	..
313	Calgary	51 2	114 2	1045	893·0	1014·5	— 1·0	284·6	309·1	July 15	269·7	236·9	Mar. 1	277·1	*276·4*	+0·9	311	..
314	Fort Chipewyan	58 42	111 10	218	987·1	1014·5	..	275·2	304·1	June 20	264·5	229·1	Feb. 25	269·8	*270·3*	—0·5	..	..
315	Prince Albert	53 10	105 38	442	961·4	1015·4	+ 0·8	280·7	308·0	May 29	268·1	229·7	Feb. 26	274·4	*274·2*	+1·4	391	..
316	Qu'Appelle	50 30	103 47	645	937·5	1015·1	+ 0·2	281·2	307·4	June 27	268·4	227·4	Feb. 26	274·8	*274·2*	+0·4	450	..
317	Minnedosa	50 15	99 50	515	953·5	1016·0	0·0	280·5	309·7	July 17, Aug. 19	267·9	232·4	Feb. 27	274·2	*273·8*	0·0	402	..
318	Berens River	52 18	97 23	216	..	..	..	277·8	303·6	July 22	264·6	235·2	Mar. 1	271·2	..	—1·4	..	..
318a	Port Nelson	57 4	92 36	14·9	1013·0	1014·9	+ 1·0	272·6	305·8	June 22	262·0	231·3	Feb. 25	267·3	..	+1·5	405	..
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	?308·0	July 18	..	232·4	Dec. 12	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1013·3	1014·5	— 1·4	279·1	308·0	June 1, 2	266·2	234·7	Dec. 17	272·7	..	+0·3	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	274·3	301·9	Aug. 14	265·0	233·0	Mar. 4	269·7	*269·6*	..	824	..
322	Mistassini Post	50 15	73 55	383	..	..	..	277·8	305·8	June 2	265·7	224·1	Dec. 17	271·7	..	+1·1	..	..
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	278·0	298·6	June 15	268·9	239·1	Dec. 18	273·4	..	+0·2	815	..
326	Belle Isle	51 53	55 23	133	992·3	1009·1	— 0·9	274·6	289·7	July 17	266·7	238·0	Jan. 12	270·7	*271·0*	—1·5	..	..
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1013·2	1014·9	+ 1·2	285·3	295·2	May 30, Aug. 8	280·3	268·6	Nov. 12	282·8	283·0	—0·6	1163	..
335	Aberdeen	57 10	W 2 6	26·8	1008·1	1011·5	0·0	283·0	296·3	July 11	277·5	262·4	Nov. 14, 15	280·3	280·3	—0·7	780	..
336	Greenwich	51 28	0 0	46·3	1008·7	1014·3	— 0·5	286·7	304·1	Aug. 12	277·9	264·1	Feb. 9	282·3	282·1	—0·7	595	..
337	Uccle	50 48	E 4 22	100	1001·8	1014·1	— 1·6	286·7	305·7	June 13	277·8	258·9	Feb. 8	282·3	281·7	—0·3	980	..
338	De Bilt	52 6	5 11	3·0	1013·5	1013·9	— 1·1	285·4	305·5	June 13	277·3	259·9	Feb. 8	281·3	281·1	—0·8	742	..
338a	Hamburg	53 33	9 58	26·0	1010·6	1013·8	— 0·8	284·3	303·4	June 12	278·0	262·0	Feb. 8, Nov. 17	281·1	*280·8*	—0·8	644	..
339	Copenhagen	55 41	12 36	5·0	1012·3	1012·9	— 0·8	282·5	298·3	June 17	278·0	262·3	Feb. 8	280·3	*280·4*	—0·5	511	..
340	Potsdam	52 23	13 4	84·9	1003·9	1014·4	— 0·9	285·1	307·1	Sept. 12	276·8	257·4	Dec. 29	280·9	280·5	—0·8	576	..
340a	Upsala	59 51	17 38	24	1008·7	1011·6	— 0·7	281·4	303·1	July 11	273·3	248·8	Dec. 25	277·4	277·5	—0·3	526	..
341	Warsaw	52 13	21 1	133	998·8	1015·1	— 0·7	283·9	303·7	Sept. 12	276·4	254·0	Nov. 18	280·2	280·2	—0·4	598	..
342	Dorpat (Jurjev)	58 23	26 43	74·5	1004·9	1014·2	+ 0·7	281·0	303·6	June 22	273·4	247·6	Dec. 22	277·2	277·0	—0·5	423	..
343	Petrograd	59 56	30 16	4·8	1012·8	1013·4	0·0	280·1	301·9	June 22	273·3	242·0	Feb. 25	276·7	*276·7*	—0·1	458	..
344	Kiev	50 27	30 30	183	994·0	1016·4	0·0	283·6	303·0	Aug. 21	276·0	250·8	Dec. 30	279·8	*279·4*	—0·5	705	..
344a	Moscow	55 50	37 33	167	995·8	1016·6	+ 0·5	280·4	301·3	July 5	271·7	236·7	Dec. 22	276·0	*276·0*	—0·9	645	..
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1007·5	1017·6	+ 1·6	280·3	306·5	July 17	271·1	237·8	Dec. 23	275·7	*275·6*	—0·6	650	..
347	Orenburg	51 45	55 6	109	1005·2	1018·9	+ 0·8	281·2	308·9	Aug. 5	270·4	233·9	Jan. 15	275·8	*275·9*	—0·4	377	..
348	Perm	58 1	56 16	159	995·9	1015·9	+ 0·4	..	302·0	July 18	269·2	228·9	Dec. 19	..	*273·1*	—1·1	608	..
349	Ekaterinburg	56 50	60 38	281	980·8	1015·7	— 1·4	277·7	304·5	June 24	268·5	230·1	Dec. 20	273·1	*273·1*	—0·5	405	..
350	Tobolsk	58 12	68 14	? 108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
351	Akmolinsk	51 12	71 23	? 347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	..	..	..	..	..	..	..	..	..	..	..	..	..	..
355	Minousinsk	53 43	91 41	249	..	..	..	..	306·0	July 16	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 10	77·6	1006·8	1016·8	— 2·2	..	303·0	July 15	264·7	217·0	Jan. 26	..	*270·1*	—1·0	402	..
357	Irkutsk	52 16	104 19	467	961·9	1019·5	— 1·8	..	302·3	July 21	265·7	230·0	Jan. 27	..	*271·7*	—0·4	477	..
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	681	..	..	..	..	?304·2	July 22	..	?228·4	Jan. 26	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	231·2	Jan. 14, 15	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	967·2	1014·5	..	275·6	304·0	July 8	261·4	228·9	Jan. 16	268·5	*268·8*	..	523	..
362	Blagoveshchensk (Bureau Météor)	50 16	127 30	142	995·8	1013·4	— 0·8	278·8	309·4	July 14	267·3	234·8	Dec. 12	273·0	*272·9*	+0·4	473	..
363	Paikanskii Sklad	59 11	130 7	145	..	..	..	..	..	..	..	..	..	..	..	..	..	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1010·2	1012·8	+ 1·2	..	301·2	July 16	265·3	227·1	Feb. 4	..	*270·3*	—0·2	595	..
366	Okhotsk	59 21	143 12	6·0	..	..	..	..	..	..	..	?233·0	Feb. 13	..	..	..	..	..
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	..	..	..	..	..	..	..	248·5	Feb. 4, 10, 11 / Mar. 18	..	..	..	..	..
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

YEAR—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	a.	a.
402	Victoria, B.C.	48 24	123 19	70·1	1008·4	1017·0	+ 0·6	285·6	301·9	July 14	279·0	263·6	Dec. 11	282·3	281·8	—0·1	723	—104
402	Portland, Oregon	45 32	122 41	46·6	1012·4	1017·7	+ 0·2	288·9	310·8	July 14	280·1	250·9	Dec. 13	284·5	*284·3*	0·0	1161	+ 44
403	Macleod	49 44	113 24	953	..	..	..	284·9	311·9	July 17	272·2	235·8	Dec. 10	278·5	*278·6*	+0·4	..	..
404	Helena	46 34	112 4	1253	873·1	1016·4	— 0·1	285·6	310·2	July 16	273·5	239·7	Dec. 9	279·6	*279·4*	+0·1	189	—158
405	Salt Lake City	40 46	111 54	1329	867·3	1015·3	— 0·2	289·7	310·8	Aug. 24	279·1	255·2	Dec. 13	284·4	*284·5*	+0·5	343	— 70
405	Cheyenne	41 8	104 48	1856	812·2	1015·2	+ 0·3	286·8	307·4	July 9	273·9	239·7	Dec. 9	280·3	*280·4*	+0·2	352	+ 1
405	North Platte	41 8	104 48	1856	812·2	1015·2	+ 1·0	288·3	312·4	July 26	275·3	241·3	Dec. 9	281·8	*281·5*	—0·5	570	+ 94
405	Bismarck	46 47	100 45	859	917·6	1017·9	+ 1·2	284·1	310·8	July 17	271·9	235·8	Jan. 1	278·0	*278·2*	+0·8	329	—112
405	Winnipeg	49 53	97 7	232	956·3	1017·9	+ 0·1	281·1	308·0	May 28	269·9	238·6	Feb. 26	275·5	*275·2*	+1·2	639	+105
405	Duluth	46 47	92 6	345	974·7	1016·9	+ 0·7	280·8	305·2	May 28	272·1	241·3	Dec. 15	276·4	*276·3*	+0·1	605	— 92
409	Port Arthur	48 27	89 12	196	992·2	1016·5	+ 0·5	281·5	306·3	July 17	270·9	239·7	Dec. 17	276·2	*275·9*	+1·3	462	—127
409	Chicago	41 53	87 37	251	987·2	1017·5	+ 0·6	287·2	309·7	Aug. 4	280·0	249·1	Jan. 4	283·6	*283·8*	+1·2	851	+ 12
409	Toronto	43 40	79 24	116	1002·8	1017·1	+ 0·7	287·0	309·7	July 4	277·2	251·3	Dec. 17, 18	282·1	281·5	+2·2	753	— 97
409	New York (Central Park)	40 46	73 58	30·2	1013·3	1016·9	0·0	289·2	310·2	July 4	281·0	254·7	Dec. 18	285·1	284·9	+0·6	1353	+245
409	St. John, N.B.	45 17	66 4	36·2	1010·6	1015·1	+ 0·5	282·3	301·9	June 4	274·4	245·8	Dec. 18	278·3	277·9	+0·2	1223	+ 3
409	S.W. Point, Anticosti	49 24	63 33	9·1	1012·7	1013·8	+ 2·1	277·7	294·1	Aug. 24	272·2	245·2	Dec. 21	274·9	*275·0*	+0·2	958	+222
409	Sable Island (Main Station)	43 57	60 6	7·6	1015·6	1016·5	+ 1·4	282·0	293·6	Aug. 14, 26 / Sept. 3	277·3	259·7	Jan. 12	279·6	*279·5*	—0·6	1359	+ 25
409	Port aux Basques	47 35	59 10	9·1	1012·3	1013·4	+ 0·6	279·6	294·7	June 4, July 24	274·0	254·1	Jan. 12	276·8	*276·7*	+0·3	1457	+ 66
409	St. John's, Newfoundland	47 34	52 42	38·1	1007·2	1011·9	+ 0·4	281·6	299·7	Aug. 19	273·6	255·2	Jan. 12	277·6	*277·3*	—0·2	1470	+ 82
410	Madrid	40 24	3 41	655	941·1	1017·0	— 0·4	294·1	313·6	Aug. 12	279·9	267·0	Jan. 26	287·0	286·3	+0·2	484	+ 63
410	Nantes	47 15	W 1 34	36·5	1011·0	1015·4	— 1·3	288·3	307·8	Aug. 15	279·7	267·5	Feb. 9	284·0	283·9	—0·3	942	+212
410	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1009·6	1015·8	— 0·9	287·5	306·7	Aug. 10	278·5	261·0	Feb. 8	283·0	282·9	—0·2	648	+ 86
410	Marseilles	43 18	5 23	75	..	1014·1	— 0·9	291·8	306·6	Aug. 22	281·7	269·4	Feb. 5	286·8	*286·7*	—0·1	451	—117
410	Zurich	47 23	8 33	493	958·0	1016·7	— 1·3	286·5	305·6	Aug. 11	277·4	257·9	Feb. 11	282·0	281·4	—0·1	1048	— 72
410	Rome	41 54	12 27	45	1008·4	1013·8	— 1·5	292·7	305·9	Aug. 14	283·9	269·1	Feb. 10	288·3	*288·2*	—0·2	675	—145
410	Vienna	48 15	16 22	203	990·2	1014·8	— 1·8	285·1	304·3	Aug. 21	278·7	264·1	Feb. 9	281·9	281·8	—0·3	791	+168
410	Buda-Pesth	47 31	19 2	130	999·1	1014·8	— 1·8	288·0	306·6	Aug. 21	279·2	260·8	Feb. 9	283·6	*283·2*	+0·3	662	+ 24
410	Sofia	42 42	23 20	550	951·1	1016·1	— 0·1	288·0	307·6	July 9	278·4	258·5	Dec. 20	283·2	*283·0*	+0·1	783	+144
410	Bucharest	44 25	26 5	82	1005·5	1015·5	— 1·3	289·2	306·5	July 7	279·0	257·0	Feb. 9, 10	284·1	283·7	+0·1	632	+ 49
412	Odessa (University)	46 26	30 46	42·8	1010·2	1015·4	— 1·4	286·3	303·0	Sept. 16	279·6	258·6	Dec. 30	283·0	*282·7*	—0·1	581	+187
412	Kharkov (University)	50 0	36 14	140	999·8	1017·1	— 0·8	284·0	304·6	July 6	274·8	248·3	Dec. 30	279·4	*279·1*	—0·4	745	+244
412	Novorossiisk	44 44	37 49	37·1	1010·6	1015·1	— 1·2	290·3	304·0	Aug. 24	281·9	260·4	Feb. 13	286·1	*286·1*	+0·6	819	+130
413	Tiflis	41 43	44 48	404	969·4	1017·0	— 0·9	291·3	311·4	Aug. 4	281·6	265·3	Feb. 15	286·4	*286·2*	+0·5	588	+ 90
413	Astrakhan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
413	Fort Alexandrovsk	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
413	Krasnovodsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
413	Aralskoe More	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
413	Tachkent	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
413	Sarynskoe	41 20	69 18	478	960·6	1016·8	— 0·5	294·1	316·5	July 10	279·8	251·0	Jan. 29	287·0	*286·2*	+0·1	285	— 73
413	Vernyi	41 26	76 2	?2015	796·8	..	..	..	303·4	Aug. 13	268·6	236·0	Jan. 29	..	*275·1*	—0·4	189	..
413		43 16	76 53	841	..	..	..	287·0	..	..	275·4	..	..	281·2	*281·1*	..	395	..
414	Mukden	41 48	123 23	43·8	1010·7	1016·1	— 0·5	287·3	310·0	Aug. 7	274·9	246·6	Jan. 19	281·1	280·7	+0·9	615	— 35
414	Joshin	40 40	129 11	31·9	..	1014·9	+ 0·1	286·1	310·5	July 25	276·7	248·4	Jan. 20	281·4	281·1	+0·1	805	+104
414	Yuki	42 20	130 24	65·6	1006·9	1015·0	..	283·6	309·4	July 25	275·4	250·6	Jan. 20	279·5	279·3	..	999	..
414	Vladivostok	43 7	131 55	128	999·5	1015·4	— 0·4	281·1	303·8	July 25	273·9	242·9	Jan. 5	277·5	277·1	—0·6	891	+321
414	Ochiai	47 20	142 46	6·6	1010·5	1011·3	— 1·0	280·4	304·1	Aug. 22	269·6	235·2	Feb. 9	275·0	275·4	+0·7	824	— 62
414	Nemuro	43 20	145 35	26·7	1008·9	1012·2	— 0·4	282·2	299·8	July 25	275·3	255·4	Feb. 2	278·8	278·7	+0·2	1249	+286
414	Syana	45 14	147 53	39·3	1006·6	1011·4	— 0·7	281·4	300·1	July 16	273·6	250·8	Feb. 3	277·5	277·6	+0·4	898	— 93
		N.	E.															

Between Latitude 40° N. and 30° N.

YEAR—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
416	San Francisco	37 48	122 26	47·2	1011·2	1016·9	0·0	289·9	306·9	Sept. 19	282·5	275·8	Jan. 1, Dec. 13	286·2	*285·5*	—0·2	484	— 51
416	San Luis Obispo	35 18	120 39	61·3	1009·4	1016·8	0·0	294·2	310·2	Sept. 23	280·7	268·6	Nov. 28	287·4	*286·1*	—0·9	402	—151
416	San Diego	..	..	..	..	..	0·0	292·8	305·8	June 3	285·4	274·7	Jan. 1	289·1	*288·8*	—0·1	171	— 82
416	Modena	32 43	117 10	26·5	1011·9	1015·1	0·0	289·8	309·1	July 9	273·7	245·2	Jan. 1	281·7	*281·3*	—0·2	266	— 17
416	Santa Fé	37 48	113 54	1670	833·3	1014·7	+ 0·4	287·6	303·6	June 22	276·1	249·7	Jan. 2	281·8	*281·4*	—0·9	528	+169
416	Denver	35 41	105 57	2138	787·2	1014·1	+ 0·6	289·8	308·6	June 30	276·8	244·1	Dec. 9	283·3	*283·0*	+0·1	346	— 18
416	Abilene	39 45	105 0	1613	836·9	1015·2	+ 0·5	295·7	311·3	Aug. 17	283·9	260·8	Dec. 14	289·8	*289·3*	—0·9	727	+118
416	Saint Louis	32 23	99 40	530	954·8	1015·9	0·0	291·8	311·9	Aug. 6	282·2	253·6	Jan. 3	287·0	*286·9*	+0·7	1037	+ 82
416	Mobile	38 38	90 12	173	996·6	1017·2	0·0	297·7	309·7	Aug. 7	288·7	264·7	Jan. 4	293·2	*292·8*	+0·9	1695	+116
416	Nashville	30 41	88 2	17·4	1015·4	1017·5	— 0·1	293·8	309·7	Aug. 6	283·6	258·0	Jan. 4	288·7	*288·6*	+0·4	1533	+335
416	Charleston	36 10	86 47	166	998·8	1018·7	+ 0·6	296·3	309·1	July 29, Aug. 1	288·8	267·4	Jan. 4	292·6	*292·8*	+1·1	931	—316
416	Washington	32 47	79 56	14·6	1016·4	1018·2	0·0	291·6	311·3	July 5	281·6	259·7	Dec. 21	286·6	*286·3*	+0·7	1096	+ 14
416	Bermuda	38 54	77 3	34·1	1014·0	1018·1	+ 0·3	..	..	..	..	..	..	..	..	..	..	..
416	Santa Cruz (Flores)	32 17	64 46	46·0	1012·6	1018·0	— 0·5	297·1	305·2	Aug. 20	291·2	281·3	Feb. 11, 12, 20	294·1	*293·9*	—0·6	1245	—209
416	Horta	39 27	31 9	28	1018·6	1021·7	— 0·3	293·0	301·6	June 21	287·9	279·5	Feb. 10	290·5	*290·6*	+0·1	1337	—275
416	Ponta Delgada	38 32	28 38	65	1014·3	1021·6	— 0·1	293·0	300·9	July 27	288·7	281·6	Feb. 9	290·9	290·6	0·0	1106	+ 14
416	Faja de Cima	37 44	25 40	22	1019·6	1021·5	+ 0·1	292·3	299·3	Aug. 16	288·4	282·0	Mar. 23	290·3	290·3	0·0	..	..
416	Madeira (Funchal)	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	1523	+379
416		32 37	16 54	25	1018·6	1021·6	+ 2·0	294·7	311·4	Aug. 23	289·4	283·0	Mar. 26	292·0	*292·2*	+0·5	926	+237
416	Lisbon	38 43	9 9	95	1007·0	1018·4	+ 0·5	292·9	310·4	Aug. 5	286·2	276·3	Apr. 5	289·5	*289·2*	+0·5	586	—167
416	Gibraltar	36 6	5 21	16·2	1016·4	1018·3	+ 0·3	293·9	309·1	Aug. 6, 30	286·5	276·8	Dec. 27	290·2	*290·1*	—0·7	958	+ 49
416	Melilla	35 18	2 59	8	‡1016·6	‡1017·5	— 1·5	295·7	311·4	Aug. 27	285·5	276·9	Jan. 2	290·6	*292·1*	—1·8	362	—132
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed see pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

YEAR—ZONE 5 (Eastern Half).

YEAR 1919.

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1013·0	1015·7	— 1·0	293·9	307·4	Aug. 12	284·7	274·4	Jan. 20	289·3	..	—1·1	440	..
538	Algiers (Bouzaréah)	36 48	3 2	343	976·4	1016·4	— 0·4	292·2	313·3	July 4	286·0	275·3	Dec. 9	289·1	288·7	—0·2	608	..
539	Tunis	36 48	10 10	21	1013·7	1016·2	..	295·3	316·8	Aug. 16	285·6	276·0	{Jan., Mar., Dec.}	290·5	*289·7*	—0·5	339	..
539*a*	Malta	35 54	14 31	56·4	..	1014·3	— 1·8	294·6	312·8	July 13	288·6	277·4	Jan. 21	291·6	*290·9*	—0·3	399	..
540	Riposto	37 41	15 14	14·2	..	1016·5	— 0·5	293·2	303·2	Aug. 31	287·2	278·2	Feb. 10, 11	290·2	*289·5*	—1·2	747	..
541	Athens	37 58	23 43	107	1001·3	1014·0	— 0·6	294·7	312·7	July 8	287·0	272·5	Feb. 12	290·8	290·7	+0·5	370	..
542	Alexandria	31 12	29 53	32·0	1011·2	1014·9	0·0	298·7	310·9	Mar. 29	289·9	279·4	Dec. 12	294·3	*293·7*	+0·5	224	..
543	Cairo (Helwan)	29 52	31 20	116	1000·8	1014·4	+ 0·6	301·8	315·7	June 6	288·6	279·2	Jan. 31	295·2	294·7	+0·5	31	..
544	Nicosia (P.W.D.)	35 9	33 22	159	..	1012·7	0·0	298·6	312·4	{June 28, 29 July 13, 14}	285·4	274·7	Mar. 5	292·0	..	+0·3	281	..
544*a*	Beirut	33 54	35 28	33·7	..	1014·4	+ 1·5	296·9	306·3	Mar. 16	290·7	281·3	Feb. 2	293·8	*293·6*	+0·3	866	..
545	Baghdad	33 21	44 28	38·1	..	1011·9	0·0	303·1	321·2	Aug. 10	290·0	276·0	Feb. 14	296·5	*294·7*	+0·7	257	..
546	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546*a*	Lenkoran	38 46	48 52	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	296·6	312·8	July 21	284·6	?268·8‡	Feb. 15	290·6	*290·4*	+1·1	199	..
548*a*	Meshed	36 16	59 35	946	..	..	..	..	..	..	..	..	..	..	..	..	1804	..
549	Seistan	31 0	61 30	?	..	..	..	301·8	319·8	June 10	286·2	268·4	Jan. 12	294·0	..	..	42	..
550	Quetta	30 11	67 3	1677	832·7	..	+ 0·1	296·7	312·3	July 12	279·3	265·5	Dec. 15	288·0	*287·8*	+0·1	162	..
551	Peshawar	34 2	71 37	339	971·8	1010·8	— 0·1	303·1	321·7	July 7	288·1	271·8	Dec. 9	295·6	*295·0*	+0·2	440	..
551*a*	Lahore	31 34	74 20	214	984·6	1009·1	+ 0·3	304·2	320·5	June 4	290·4	272·6	Dec. 31	297·3	*296·8*	+0·1	561	..
552	Simla	31 7	77 8	2205	780·7	..	+ 0·3	288·4	300·1	June 4	282·6	268·8	Jan. 31	285·5	*285·3*	—0·4	1804	..
552*a*	Leh	34 10	77 42	3503	666·5	..	+ 0·4	..	301·7	July 12	272·0	254·7	Feb. 3	..	‡*276·3*	..	78	..
559	Hankow	30 35	114 17	37·0	1012·3	1016·7	— 0·4	294·5	310·7	Aug. 14	286·8	267·0	Feb. 2	290·7	*290·3*	+0·5	1225	..
560	Tientsin	39 10	117 10	5·0	1016·1	1016·7	— 0·6	291·3	312·6	June 28	280·7	254·4	Jan. 20	286·0	*285·7*	+0·6	562	..
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1015·8	— 0·6	293·9	310·6	June 10	284·3	264·1	Dec. 31	289·1	288·3	+0·2	1191	..
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1008·1	1016·4	+ 0·1	288·9	309·1	Aug. 1, 14	280·3	257·2	Jan. 21	284·6	284·0	+0·3	852	..
562*a*	Nagasaki	32 44	129 52	133	999·2	1015·1	— 0·3	292·7	305·8	Aug. 1	285·3	268·3	Feb. 5	289·0	288·6	—0·1	1747	..
563	Kioto	35 1	135 44	42·9	1009·8	1014·9	+ 0·4	293·6	308·3	July 21	282·1	265·7	Feb. 6	287·9	287·1	+0·5	1406	..
564	Tokio	35 41	139 45	21·3	1011·2	1013·8	— 0·3	291·6	306·4	Aug. 5	283·1	267·5	Jan. 21	287·3	287·0	+0·1	1534	..
565	Kanayama	37 53	140 46	24·6	1011·0	1014·0	— 0·3	289·8	305·8	Sept. 5	280·2	258·5	Jan. 6	285·0	284·7	+0·4	1427	..
566	Miyako	39 38	141 59	30·4	1009·4	1013·1	— 0·4	289·5	307·3	Aug. 31	278·9	259·2	Jan. 6	284·2	283·5	+0·5	1563	..

YEAR—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1018·2	+ 0·5	297·7	303·6	Aug.,Sept.,Oct.	291·0	282·4	Feb. 15	294·3	..	..	720	..
605	Honolulu	21 19	157 52	11·6	1015·8	1017·1	+ 0·4	299·7	304·1	Aug.	294·4	288·6	Jan.	297·1	*296·8*	+0·5	370	..
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	859·6	1013·5	..	296·4	305·5	June11,Aug. 16	283·1	262·2	Jan. 4	289·7	*289·5*	..	510	..
616	Leon	21 7	101 41	1809	821·6	1010·2	+ 0·5	298·1	308·2	May 29	284·9	271·6	Jan. 11	291·5	*291·0*	—0·3	873	..
616*a*	Monterry	25 40	100 18	528	954·0	1013·5	..	299·9	311·5	May 27	289·2	272·4	Jan. 4	294·5	*293·9*	..	747	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	302·0	May, June	..	265·0	Jan. 4	..	288·1	—0·2	749	..
618	Galveston	29 18	94 50	16·5	1015·2	1017·3	+ 0·5	296·4	308·6	July 16	290·9	270·8	Jan. 4	293·7	*293·7*	—0·1	1573	..
618*a*	New Orleans	29 57	90 4	16·2	..	1017·1	0·0	298·2	308·6	Aug. 7	290·3	268·0	Jan. 4	294·2	*293·8*	+0·7	1712	..
619	Merida, Yuc.	20 58	89 38	22	1012·3	1014·7	..	303·3	308·8	April 9	294·5	286·4	Jan. 11	298·9	*298·3*	..	1092	..
620	Havana	23 8	82 21	24·3	..	1016·3	+ 0·5	301·2	305·8	Aug. 12	294·9	284·4	Feb. 12	298·0	*297·8*	+0·4	1064	..
620*a*	Key West	24 33	81 48	6·7	1015·6	1016·3	— 0·2	300·8	306·3	Aug. 28	295·5	284·1	Jan. 6	298·2	*297·7*	—0·2	1355	..
621	Nassau, Bahamas	25 5	77 21	3·7	..	1017·0	+ 0·2	300·6	306·3	Aug. 5	295·3	287·4	Dec. 31	298·0	*297·9*	—0·1	1209	..
622	Watling Island	24 6	74 26	33·5	..	..	..	..	..	..	..	?292·4	April 23	..	..	..	..	..
633	Izaña	28 19	16 30	2367	770·2	..	..	286·8	299·6	July 26	278·9	?267·0	April 4	282·8	*282·1*	..	326	..
634	La Laguna	28 28	W16 20	547	953·5	1016·8	— 0·3	294·1	312·1	Aug. 21	285·5	276·4	Mar. 21	289·8	*289·2*	+0·3	410	..
637	Insalah	27 1	E 2 21	?280	..	..	..	..	327·0	July 31	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	— 23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	1000·2	1011·7	0·0	308·0	?321·0	June 29	292·2	279·0	Dec. 13	300·1	*299·4*	+1·2	..	..
644	Tor	28 14	33 37	1·9	1011·6	1011·8	+ 0·2	300·8	314·5	July 14	290·6	279·5	Dec. 15	295·7	*295·1*	+0·4	..	..
647	Bushire	28 59	50 53	4·3	1009·5	1010·1	— 0·5	300·8	310·9	Aug. 11	293·7	281·8	Jan. 29	297·3	*296·6*	+0·2	182	..
648	Jask	25 44	57 47	4·0	1009·3	1009·8	— 0·2	303·7	313·6	Sept. 6	295·1	284·9	Jan. 29	299·4	*298·8*	—0·3	195	..
649	Robat	29 45	60 55	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
649*a*	Karachi	24 53	66 57	4·0	1009·7	1010·1	+ 0·5	301·6	308·6	Oct. 3	294·7	283·1	Jan. 30	298·1	*297·5*	—0·2	85	..
650	Jacobabad	28 17	68 29	56·7	1002·3	1005·9	+ 0·4	308·7	325·8	June 12	292·2	274·6	Jan. 11, 12	300·4	*299·8*	+0·4	82	..
651	Jaipur	26 56	75 52	436	961·4	1010·3	+ 0·5	304·8	317·7	May 31, June 6	291·7	276·6	Jan. 14	298·2	*297·6*	—0·5	681	..
652	Nagpur	21 8	79 5	310	975·3	1010·1	+ 0·6	305·4	318·9	June 1	293·5	281·2	Dec. 22	299·4	*298·9*	—0·4	1487	..
653	Allahabad	25 25	81 51	94·1	999·3	1010·1	+ 1·2	..	?319·0	May 31	292·7	276·9	Jan. 15	..	‡*296·7*	..	957	..
653*a*	Darjiling	27 3	88 18	2266	775·9	..	+ 0·5	289·3	298·2	July 30	282·2	272·8	Feb. 2	285·8	*285·6*	+1·1	3333	..
654	Calcutta	22 36	88 23	6·4	1008·7	1009·4	+ 0·3	303·8	313·3	May 22	294·7	282·7	Jan. 17	299·3	*299·0*	+0·4	1019	..
655	Gauhati	26 8	91 41	59·7	1004·2	1011·1	+ 0·4	302·8	309·6	Aug. 24	292·5	280·3	Jan. 15	297·6	*296·8*	+0·6	1413	..
655*m*	Cherrapunji	25 15	91 42	1314	868·1	..	+ 0·3	293·8	300·7	July 30	287·3	278·1	Feb. 2	290·5	*289·9*	+0·4	9471	..
655*a*	Akyab	20 11	92 56	6·1	1009·4	1010·1	0·0	303·0	309·4	June 1	294·5	284·8	Feb. 4	298·8	*298·6*	—0·4	6083	..
656	Mandalay	21 59	96 0	76·2	1002·2	1010·9	+ 0·7	307·6	316·7	May 2	295·5	283·9	Jan. 16	301·6	*301·0*	+0·8	760	..
656*a*	Tengyueh	24 59	98 35	1633	833·5	..	..	294·5	302·4	June 1	283·0	269·7	Jan. 17	288·7	*288·0*	..	1257	..
657	Phu-Lien	20 48	106 37	110	997·8	1011·3	0·0	300·3	311·0	June 25	293·6	280·6	Feb. 5	297·0	*296·3*	+0·3	1555	..
658	Moncay	21 31	107 51	9·0	1010·7	1011·7	+ 0·2	299·5	309·2	Aug. 22	292·3	278·6	Feb. 4	295·9	*296·2*	—0·2	2530	..
659	Hong Kong	22 18	114 10	33·2	..	1012·5	— 0·1	297·7	306·4	Aug. 1	293·4	277·1	Feb. 4	295·5	295·3	+0·2	1934	..
660	Amoy	24 27	118 4	ca.3	1013·8	1014·2	— 0·2	297·3	308·6	Aug. 6	292·1	276·9	Feb. 5	294·7	*294·5*	—0·1	1305	..
661	Taihoku, Formosa	25 2	121 31	9·3	1012·7	1013·8	0·0	299·1	309·2	July 25	291·0	274·9	Dec. 30	295·1	294·5	—0·1	2032	..
661*a*	Basco (Santo Domingo)	20 28	121 59	18·7	..	..	..	..	306·6	June 9	..	?287·2	Feb. 18, Dec. 29	..	..	..	..	..
662	Naha	26 13	127 41	10·5	1012·3	1013·5	— 0·2	299·1	307·7	July 21	291·9	279·0	Feb. 6	295·5	295·4	+0·3	1978	..
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1013·6	1014·1	— 0·2	298·8	305·1	Sept. 2	293·2	282·8	Mar. 5	296·0	295·9	+0·3	1990	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulae employed see pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

YEAR—ZONE 7.

YEAR 1919.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	..	955·9	1011·0	..	303·2	308·2	Mar. 11	294·3	285·6	Jan. 25	298·7	*298·0*	..	536	..
716	Morelia	19 42	101 7	1923	..	..	..	..	..	?300·0	Mar. 12	..	..	..	..	..	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	..	775·1	1012·7	0·0	296·6	305·6	May 26	281·8	268·8	Jan. 11	289·2	287·8	—0·1	751	+122
718	Salina Cruz	16 12	95 12	56	..	1005·4	1011·9	..	302·9	308·3	June 8	296·5	289·9	Jan. 4, 10	299·7	*299·3*	..	1066	..
719	San Salvador	13 42	89 13	‡665	936·3	1010·6	— 0·4	307·1	313·6	Mar. 9	290·2	283·4	Jan. 7	298·6	*296·4*	+0·2	1799	+174
720	Belize	17 29	88 12	5·2	1013·2	1013·8	+ 0·9	302·3	308·0	June 1	296·0	286·1	Jan. 12	299·1	*298·7*	—0·3	1750	—601
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·3	— 0·2	303·3	306·8	Nov. 28	294·9	290·2	Mar. 25	299·1	*299·1*	+0·3	1188	—101
722	Port au Prince	18 34	72 22	37·4	1010·1	1014·4	+ 0·1	305·5	310·8	Aug. 27	295·5	290·3	Feb. 15	300·5	*299·6*	+0·5	858	—521
723	Caracas	10 30	66 55	1042	899·7	1015·5	+ 0·9	298·8	304·5	April 9	287·9	280·1	Mar. 13	293·4	*292·2*	—0·6	790	— 23
724	Montserrat	16 41	62 9	39·6	1009·9	1014·4	— 0·6	304·1	309·7	Aug. 2	295·1	288·0	Nov. 12	299·6	*299·0*	..	1443	..
725	Grenada (Richmond Hill)	12 5	61 46	155	994·6	1012·4	0·0	302·3	305·2	Oct. 2	296·5	293·0	Aug. 23, 24	299·4	*298·9*	+0·5	1831	— 96
726	Barbados	13 8	59 36	55·2	..	1013·7	— 0·1	302·8	305·8	Aug. 24	295·6	290·2	Jan. 25	299·2	*298·8*	+0·5	1076	—218
727	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·7	1015·0	+ 0·8	298·5	302·0	Oct., Nov.	292·6	288·5	Dec. 14	295·5	*296·1*	—1·0	219	+ 64
728	San Tiago, C. Verde Is.	14 54	23 31	?40	..	..	..	300·6	305·7	Oct. 16	296·3	292·0	Feb. 9	298·5	*298·2*	+1·0	172	—116
729	Bathurst	13 27	16 36	1·8	1013·3	1013·5	+ 0·8	304·1	310·8	Feb., Mar., Apl.	..	..	..	..	*299·7*	+0·2	997	—232
730	M'Carthy Island	13 33	14 45	1·1	..	..	..	309·1	316·3	{April 18, 19 May 2}	293·9	285·8	{Ja.10,13,14 Feb. 2, 3}	301·5	..	+0·3	1056	+246
731	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
732	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
733	Sokoto	13 2	E 5 14	353	..	..	..	307·0	315·8	April 10	294·0	283·0	Jan. 16	300·5	*300·0*	—0·4	766	+121
734	Kaduna Capital	10 32	7 25	637	944·3	1015·8	+ 1·2	303·8	310·2	{March 10 Apl. 7, 8, 9}	291·4	280·2	Jan. 12	297·6	*297·1*	—0·1	1107	—143
735	Hadejia	12 40	10 5	?	..	..	..	309·3	318·0	April 11, 28	292·9	280·8	Dec. 29	301·1	*300·6*	+0·7	604	..
736	Maiduguri	11 47	13 11	361	..	..	..	310·3	319·7	April 29	293·7	284·1	Feb. 24, Dec. 28	302·0	*301·5*	+0·8	429	—161
737	El Fasher	13 32	25 18	730	..	..	..	308·5	316·0	July 3	290·8	279·8	Dec. 25	299·6	..	..	301	..
738	El Obeid	13 11	30 14	569	..	..	..	308·7	316·5	May 12	..	281·5	Dec. 25	..	?*300·4*	+2·0	204	—152
739	Khartoum	15 37	32 33	390	965·3	1008·7	+ 0·1	310·3	319·2	May 28	295·1	285·5	Dec. 25	302·7	*302·7*	+0·5	75	— 55
740	Port Sudan	19 37	37 13	5·5	1009·1	1011·3	+ 0·3	306·5	318·5	June 30	296·6	290·5	Mar. 6, 8, April 8	301·5	*301·2*	+0·4	98	— 1
741	Berbera, Somaliland	10 22	45 2	9·5	1010·3	1011·3	+ 0·3	308·1	319·7	Aug. 8	298·2	290·2	Jan. 1, Nov. 18	303·1	*303·2*	+0·7	58	— 7
742	Aden	12 45	45 3	28·7	1007·5	1010·8	— 0·3	303·7	315·7	June 22	298·6	293·6	Dec. 24	301·2	*300·7*	—0·2	15	— 38
743	Bombay	18 54	72 49	11·3	1009·5	1010·7	— 0·2	303·2	307·4	June 3	297·2	289·2	Jan. 13	300·2	*299·6*	+0·3	1736	— 73
744	Cochin	10 58	76 21	2·7	1011·4	1011·7	+ 0·2	303·8	307·8	Feb. 13	297·3	294·0	Jan. 1	300·5	*299·9*	+0·1	3282	+371
745	Kodaikanal	10 14	77 28	2343	771·1	..	+ 0·1	291·6	297·3	April 7	283·6	278·8	Jan. 17	287·6	*287·6*	+0·3	1653	+ 74
746	Bangalore	12 59	77 38	920	910·7	1011·0	+ 0·2	302·6	309·8	April 11	291·6	283·7	Jan. 3	297·1	*296·3*	+0·7	1039	+148
747	Madras	13 4	80 14	6·7	1009·7	1010·4	0·0	305·9	314·5	May 18	297·5	291·1	Jan. 2	301·7	*301·1*	+0·4	1254	— 12
748	Vizagapatam	17 42	83 19	11·6	1008·2	1009·6	+ 0·1	303·7	312·2	May 22	298·1	290·9	Jan. 11, Dec. 21	300·9	*300·3*	+0·6	1156	+212
749	Port Blair	11 40	92 40	17·7	1008·8	1010·8	+ 0·3	303·6	308·1	April 28	298·3	294·5	Mar. 6	300·9	*300·3*	+0·2	2353	—620
750	Bangoon	16 46	95 48	5·5	1010·6	1011·3	+ 0·6	305·3	312·6	April 27	295·9	289·2	Feb. 13	300·6	*299·5*	+0·3	2610	+ 90
751	Saigon	10 47	106 42	11·2	1008·7	1009·9	+ 0·6	305·2	309·8	April 25	296·7	291·2	Dec. 30	301·0	*300·4*	+0·4	1015	— 14
752	Nhatrang	12 15	109 12	3·6	1009·5	1009·9	+ 0·2	303·8	310·9	June 12	296·0	290·9	Dec. 17	299·9	*299·4*	—0·1	938	—457
753	Bolinao	16 24	119 53	7·1	..	..	..	..	310·7	May 6	..	291·5	Nov. 26	..	..	..	..	..
754	Vigan	17 34	120 23	12·2	..	1009·0	— 0·2	305·1	309·2	Mar. 26, May 13	296·3	290·2	Feb. 18	300·7	300·3	+0·3	2519	— 53
755	Manila	14 35	120 59	14·2	..	1009·8	+ 0·1	304·9	310·7	{April 16, May 12, 13}	295·4	289·3	Jan. 24	300·1	299·5	—0·1	3921	+1940
756	Ormoc	11 0	124 36	5·6	..	1008·8	+ 0·4	305·6	309·0	May 30	295·6	290·5	Mar. 22	300·6	*299·9*	+0·8	1789	—435
757	Guam, Ladrone Is.	13 24	144 38	20·4	..	1008·9	+ 0·2	303·5	306·6	June 12	297·4	294·6	Jan. 21	300·4	*300·1*	+0·1	2131	—209

YEAR—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
760	Fanning Island	3 55	159 23	3·1	..	..	..	..	308·6	Aug. 28	..	?294·1	{July 14, 15, Nov. 12}	..	..	..	..	..
761	Colon	9 23	79 23	11·0	..	1010·8	— 0·1	302·1	306·3	June 2	297·7	294·7	Dec. 13	299·9	*299·5*	+0·4	2559	—719
762	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	910	—130
763	Merida, Venez..	8 36	71 9	1641	‡841·4	..	..	297·3	301·7	April 27	288·3	285·0	Dec.23,24,27	292·8	*291·7*	..	2190	..
764	El Peru, Guayanavieja	7 19	61 49	220	985·4	1010·6	— 0·1	302·7	305·2	Oct. 7	297·2	294·7	Dec. 8	299·9	*299·7*	+0·2	2137	— 97
765	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·7	+ 1·0	303·3	307·2	Oct. 13	295·7	291·4	Jan. 20	299·5	*298·6*	0·0	2553	+215
766	Paramaribo	5 49	55 9	3·7	1013·6	1014·0	+ 1·1	303·3	307·2	Oct. 24	..	..	..	..	..	..	..	..
767	Cayenne	4 56	52 21	6	..	..	..	..	305·8	Aug. 24	..	..	..	..	..	..	..	..
768	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	‡*299·7*	—0·8	2997	—944
769	Freetown, Sierra Leone	8 29	13 9	68·3	1005·2	1013·0	+ 1·2	303·7	310·8	Aug. 31	..	..	..	..	..	..	740	— 99
770	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	518	—174
771	Accra	5 33	W 0 12	25·7	..	..	..	302·5	310·5	April	296·9	293·6	May, Aug.	299·7	*299·3*	—0·1	1231	—589
772	Lagos	6 27	E 3 24	4·6	1012·5	1013·0	..	306·7	313·6	{March 5, April 7, 9}	294·4	285·8	Nov. 30	300·5	*300·0*	+0·1	1147	+ 14
773	Zungeru	9 48	6 10	130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
774	Libreville	0 23	9 26	35	..	..	..	307·1	314·1	April 3, 9, 10	..	..	..	..	‡*300·0*	—0·2	1211	+262
775	Yola	9 12	12 30	259	..	..	..	..	?313·0	April 9, 10, 20	294·1	287·5	Nov. 28	..	*299·8*	+0·7	1067	— 21
776	Wan	7 42	28 3	440	959·8	1009·0	— 0·1	..	..	..	..	..	..	..	..	..	..	..
777	Malakal (Kodok)	9 35	31 37	394	965·3	1009·5	+ 0·5	308·6	316·6	Mar. 16	294·1	286·1	Nov. 28, Dec. 25	301·3	*300·0*	..	983	+220
778	Mongalla	5

YEAR—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	305·1	309·2	Nov. 25, Dec. 9	296·9	294·0	Mar. 13	301·0	*300·0*	—0·2	1618	..
926	Taperinha	2 30	54 20	20·0	1009·2	1011·4	0·0	303·5	307·2	Oct. 28, Dec. 9	295·6	293·0	July 13	299·5	*298·4*	+0·2	1558	..
927	Turyassu	1 43	45 26	15·1	1009·6	1011·3	0·0	306·3	310·6	Oct. 11	295·9	292·5	July 13	301·1	*299·7*	+0·7	919	..
928	Barra do Corda	5 30	45 16	81·0	1006·9	1010·1	— 0·5	306·4	310·8	Nov. 16, Dec. 3	293·8	285·5	Nov. 23	300·1	*299·0*	+0·5	623	..
929	Quixeramobim	5 16	39 15	207	988·9	1012·2	+ 0·2	306·1	308·5	Feb., Mar.	297·7	294·0	July 12	301·9	*301·1*	+0·7	262	..
930	Fernando Noronha	3 50	W32 25	106	1001·3	1013·4	+ 0·3	300·7	302·8	Mar. 9, 24	296·8	293·5	Sept. 7	298·7	*298·4*	..	460	..
939	Loanda	8 49	E 13 13	59·3	..	1013·4	+ 1·0	297·9	302·4	Dec. 24	294·3	288·9	Aug. 20, 21, 31	296·1	295·9	—0·6	181	..
940	Brazzaville	4 17	15 16	320	976·4	1012·6	+ 0·2	304·9	310·0	Sept. 12, 14	294·0	290·0	June, July, Aug.	299·5	*298·8*	+1·2	599	..
943	Masaka	0 21	31 47	?1280	..	..	..	299·5	303·6	(Feb. 5, 8, Mar. 20, 21)	..	..	..	..	*292·8*	+0·2	..	..
944	Nairobi	1 14	36 44	1800	..	..	..	296·0	302·4	Mar. 23	284·3	276·9	June 25, 26	290·1	*289·4*	—0·2	1058	..
944*a*	Zanzibar	6 10	39 11	21·9	1013·6	1016·1	+ 0·5	302·2	306·4	Feb. 25	297·9	294·2	July 23	300·1	*299·3*	+0·3	1210	..
945	Lamu	2 16	40 50	3·1	..	..	..	304·9	308·0	May 13	297·1	294·1	Jan., Feb., Aug.	301·0	*300·5*	+0·9	1039	..
947	Seychelles, Port Office	4 37	55 27	4·6	1011·7	1012·3	+ 0·3	301·7	304·7	April	298·8	296·3	Oct.	300·3	*299·6*	+0·9	2561	..
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	4261	..
958	Batavia	6 11	106 50	8·0	1009·4	1010·3	+ 0·3	303·2	307·1	Oct. 28	296·4	294·0	July 31	299·8	299·4	+0·3	1821	..
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	2572	..
959	Passerocan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	1288	..
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	2912	..
962	Ambon	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	2674	..
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	2571	..
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
967																		
968	Rendova	8 30	157 12	1·8	1009·7	1009·8	+ 1·0	..	..	..	..	..	..	..	..	..	6266	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·5	1009·7	+ 0·7	304·3	..	..	297·7	295·2	Oct. 24	301·0	*300·8*	+0·5	2545	..
970	Ocean Island	0 52 S.	169 35 E.	54·0	..	1007·5	— 0·4	..	..	..	297·2	295·2	7 months	..	‡*300·3*	..	4448	..

YEAR—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·0	— 0·3	303·1	306·0	Dec. 29	296·2	290·9	June 19	299·6	299·6	+0·8	2201	..
1003	Alofi, Nine Island	19 2	169 55	36·6	..	..	..	302·8	308·6	Mar. 18	..	..	..	..	..	..	1809	..
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·5	..	+ 0·3	293·4	297·3	Feb. 5	283·2	278·4	July 11	288·3	*287·6*	+0·9	75	..
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	997·6	1011·1	0·0	304·8	313·6	Oct. 5	293·5	277·8	June 21	299·1	*298·1*	+0·1	1189	..
1026	Cuyaba	15 36	56 6	165	991·6	1010·4	0·0	303·6	309·0	Oct. 5	296·8	284·6	June 23	300·2	*300·0*	+0·5	1548	..
1027	Bello Horizonte	19 55	43 57	857	919·9	1016·0	+ 0·8	298·0	306·4	Oct. 5	288·2	278·2	July 14	293·1	*292·7*	—0·3	1824	..
1028	Caetite	14 3	42 37	900	916·5	1015·6	+ 1·0	298·6	306·3	Oct. 28	289·9	284·0	July 14	294·2	*294·8*	—0·2	1980	..
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·9	1014·5	0·0	300·9	306·0	Feb. 14	295·3	292·1	July 6	298·1	*297·7*	—0·1	1840	..
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	946·5	1018·3	+ 0·5	294·0	301·1	Mar. 29	286·5	283·3	(Aug. 19, Sept. 6, 8)	290·3	*289·9*	+0·6	1062	..
1042	Gwelo	19 28	E 29 48	1417	862·6	..	..	299·2	307·4	(Oct. 2, 3, Nov. 18)	282·1	270·2	Aug. 16	290·6	..	—0·9	801	..
1043	Salisbury, Rhodesia	17 48	31 5	1457	857·8	..	..	299·0	306·4	Nov. 17	283·3	272·6	Aug. 15	291·2	*290·2*	—0·3	962	..
1044	Zomba	15 23	35 18	996	909·0	1020·1	+ 0·9	300·2	309·1	Nov. 30	288·9	280·2	Aug. 18	294·5	*293·9*	+0·8	1099	..
1045	Tananarive	18 55	47 32	1400	866·3	..	+ 1·0	297·2	304·2	Nov. 21	286·4	279·0	June 2, July 19	291·8	*290·7*	+0·2	1350	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1012·3	1012·9	+ 0·9	301·8	305·7	Mar. 26	297·6	293·8	Aug. 4	299·7	*299·3*	—0·1	2260	..
1056																		
1057	Christmas Island	10 25	105 43	5·5	1008·8	1009·4	+ 0·4	304·0	306·9	Jan.	296·7	293·6	4 months	300·3	*299·7*	+0·2	2137	..
1058																		
1061	Koepang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	948	..
1061*a*	Derby	17 18	123 40	16·2	1010·9	1012·8	+ 1·6	305·8	314·2	Dec. 1	294·6	281·2	July 8	300·2	..	—0·2	738	..
1062	Hall's Creek	18 13	127 46	374	971·3	1012·8	+ 1·2	306·4	316·2	Dec. 2	291·2	275·3	July 6, 7	298·8	*298·2*	+0·2	437	..
1063	Darwin	12 28	130 51	29·6	1007·4	1010·7	+ 1·2	305·2	308·3	Dec. 2	296·2	288·2	July 5	300·7	*299·6*	—0·5	1429	..
1064	Daly Waters	16 16	133 23	211	986·6	1010·1	+ 0·1	306·9	315·2	Dec. 1	292·4	277·4	July 6	299·7	*299·1*	—0·2	542	..
1065	Mein	13 13	142 47	122	997·0	1010·7	+ 1·3	304·1	311·6	Dec. 19	293·2	284·2	July 10	298·7	..	—0·5	724	..
1066	Georgetown, Queensland	18 22	143 32	302	979·7	1013·5	+ 1·8	305·2	314·1	Dec. 19	291·2	275·2	Aug. 2	298·2	..	0·0	344	..
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1012·3	— 0·5	300·4	305·6	Jan. 30, Feb. 26	294·8	289·9	May 21	297·6	*297·4*	—0·4	3509	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

YEAR—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·4	1015·6	— 0·5	291·2	299·2	Jan. 2	286·1	280·0	July 7	288·7	*288·3*	+1·2	257	+122
1122	Iquique	20 12	70 11	9	..	..	..	..	..	..	286·8	282·2	Aug. 13	..	*291·7*	+0·4	0	— 1
1123	Catamarca	28 27	65 47	510	950·3	1008·0	— 2·3	300·9	315·7	Jan. 21	286·9	271·0	July 1	293·9	293·8	+0·3	344	+ 18
1124	Salta	24 46	65 28	1178	881·2	1010·4	— 1·1	297·2	310·3	Nov. 8	284·7	267·7	Aug. 9	290·9	291·1	+0·7	747	+136
1125	Goya	29 9	59 15	26	1009·1	1012·1	— 1·3	300·2	314·5	Jan. 24	288·9	274·2	June 21	294·5	294·2	+1·4	1390	+333
1126	Asuncion	25 21	57 37	95	..	..	..	..	313·6	Jan. 27	..	?275·0	June 21	..	..	..	..	..
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1008·5	1015·7	+ 0·5	298·8	309·2	Feb. 23	293·3	286·2	Aug. 17	296·0	295·7	+0·1	847	—276
1139	Windhoek	22 35	E 17 5	1680	..	..	..	298·7	306·8	Dec. 13	286·7	275·0	July 9	292·7	*292·7*	+0·7	220	—156
1140	Kimberley	28 42	24 47	1202	884·0	..	+ 0·3	299·8	309·7	Jan. 6, 16	283·4	267·9	July 15	291·6	291·4	+1·1	217	—231
1141	Johannesburg	26 11	28 4	1806	825·6	..	+ 0·8	294·9	305·2	Feb. 8	283·0	270·9	Aug. 4	289·0	*288·6*	+0·7	597	—203
1142	Pretoria (Brooklyn)	25 46	28 13	1400	864·7	..	+ 0·9	297·8	305·9	(Oct. 24, Dec. 9)	283·7	272·7	Aug. 4	290·8	*290·4*	+0·7	643	..
1143	Bulawayo	..	..	..	869·9	..	+ 0·4	298·5	307·6	Dec.	285·2	274·1	May	291·8	*291·3*	—0·3	516	— 82
1144	Durban	20 9	28 35	1340	..	1019·7	+ 0·3	297·9	304·8	Jan. 16	289·9	281·3	Aug. 6	293·9	*293·4*	+0·3	1120	+71
1145	Lorenzo Marques	25 58	32 36	59	..	1017·9	+ 0·8	300·3	314·5	Dec. 12	290·5	282·0	Aug. 6	295·4	294·9	—0·3	720	— 27
1147	Mauritius	20 6	57 33	55·2	1009·4	1015·9	— 0·2	300·5	307·9	Jan. 15	292·8	286·0	Aug. 22	296·7	296·3	+0·3	1001	—260
1158	Onslow	21 43	114 57	4·3	1011·6	1012·5	+ 0·8	305·3	317·4	Mar. 1	290·8	280·2	July 18	298·1	..	+0·6	36	—180
1160	Peak Hill	25 38	118 47	588	947·0	1011·9	— 0·1	302·6	315·5	Jan. 13	289·1	277·2	June 17	295·8	..	+0·4	157	—106
1161	Nullagine	21 53	120 5	386	970·1	1012·7	+ 1·1	306·3	316·7	Jan. 13	290·6	275·8	July 18	298·4	..	+0·7	344	+ 10
1162	Laverton	28 40	122 23	466	963·5	1016·0	+ 0·8	301·0	316·9	Jan. 23	286·7	273·0	July 29	293·8	*293·7*	+0·7	..	..
1163	Alice Springs	23 38	133 37	587	949·1	1014·4	+ 1·3	301·4	315·8	Jan. 18	285·7	268·0	July 7, 8	293·6	*293·6*	—0·3	296	+ 11
1164	William Creek	28 55	136 21	762	1008·0	1016·8	+ 1·2	301·3	319·4	Dec. 10	286·5	271·6	July 17	293·9	*293·6*	+0·6	69	— 65
1165	Boulia	22 55	139 38	146	996·3	1012·8	+ 1·1	305·4	317·9	Dec. 4	289·8	272·6	July 29	297·6	*297·6*	+0·8	125	—160
1166	Thargomindah	27 58	143 43	123	1000·7	1014·5	+ 0·6	302·9	317·5	Nov. 26	288·8	271·9	July 6	295·8	*295·5*	+1·1	107	—176
1167	Mitchell	26 32	147 52	336	977·7	1015·3	..	301·4	316·1	Dec. 16	284·8	266·9	Aug. 6	293·1	..	+0·8	476	—139
1168	Rockhampton	23 24	150 30	11·3	1014·5	1015·9	+ 1·3	301·9	313·6	Dec. 15	290·1	275·2	July 5	296·0	..	+0·2	522	—493
1169	Brisbane	27 28	153 2	41·7	1012·6	1017·4	+ 1·5	298·7	310·4	Mar. 5	288·9	276·6	Aug. 5	293·8	*293·2*	+0·3	494	—661
1170	Onitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1016·1	1017·9	+ 1·6	294·3	301·4	Jan. 16	289·3	282·4	(Aug. 22, Oct. 1)	291·8	*291·4*	—0·4	1152	—244

YEAR—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1201	Juan Fernandez	33 37	78 50	10	..	..	..	291·0	300·0	Jan. 2	285·8	278·9	Sept. 24	288·4	*288·8*	+0·2	1301	+397
1202	Punta Tumbes	36 37	73 6	91	‡1004·6	‡1015·6	— 1·3	289·2	297·2	Jan. 29	283·1	275·5	July 7	286·1	*286·1*	+0·4	580	+ 62
1203	Punta Angeles, Valparaiso	33 1	71 38	41	1010·4	1015·3	— 1·2	292·4	302·5	Nov. 25	284·3	270·4	July 20	288·3	*287·9*	—0·1	942	+454
1204	Santiago	33 27	70 42	520	954·7	1015·2	— 0·6	295·3	309·3	Dec. 13	281·1	271·2	Aug. 8	288·2	*287·2*	+0·7	649	+285
1205	Cordoba	31 25	64 12	423	964·2	1013·2	— 0·3	297·4	312·1	Dec.	283·8	269·4	Sept.	290·6	290·0	+0·1	1009	+305
1206	Bahia Blanca	38 45	62 15	25	..	1014·0	+ 0·5	293·7	313·0	(Jan. 6, Dec. 26)	283·3	272·0	(July 7, 28, Sept. 15)	288·5	288·4	0·0	1285	+747
1207	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1014·6	— 1·1	294·6	310·1	Jan. 21	284·9	271·1	Aug. 26	289·7	289·6	—0·1	1389	+447
1208	Montevideo (Prado)	34 52	56 12	24·9	1012·1	1015·0	— 0·5	294·7	310·3	Jan. 7	285·0	272·2	Sept. 2	289·9	289·9	+0·7	1207	+240
1209	Porto Alegre	30 2	W51 13	23·5	1012·9	1015·7	— 0·1	298·1	312·0	Jan. 10	288·0	274·6	Aug. 11	293·1	292·8	+0·6	1504	+264
1210	Cape Town	33 56	E18 29	12·2	..	1018·1	+ 1·0	295·3	312·7	Feb. 5	285·3	274·2	July	290·3	*288·9*	+0·5	498	—139
1211	Danger Point	34 37	19 18	27·7	1014·9	1018·2	..	292·3	303·0	Feb. 5	285·7	275·2	July 18	289·0	..	..	422	—158
1212	Riversdale	34 6	21 16	?61	1006·1	1013·4	..	297·2	318·6	Feb. 5	283·2	271·3	July 17, 19	290·2	..	..	433	..
1214	East London	33 1	27 54	9·8	1016·3	1017·5	+ 0·4	296·2	303·6	(May 23, 31, Sept. 12)	287·1	275·8	July 16	291·7	..	+0·5	622	—229
1215	Perth (Observatory)	31 57	115 51	60·0	1010·2	1017·6	+ 1·1	295·4	312·6	Mar. 9	285·7	276·9	Aug. 14, 15	290·5	*290·3*	—0·4	778	— 83
1216	Katanning	33 42	117 35	310	981·1	1017·6	+ 1·5	294·9	313·6	Mar. 15	282·3	273·3	Aug. 15	288·6	..	0·0	432	— 32
1217	Coolgardie	30 57	121 10	423	968·3	1016·6	+ 0·8	298·3	317·3	Jan. 22	284·4	273·1	Aug. 12	291·4	*291·3*	+0·3	455	+197
1218	Eucla	31 45	128 58	4·6	1016·8	1017·5	+ 1·1	295·2	317·4	Jan. 23	285·8	274·2	Sept. 20	290·5	*290·0*	+0·1	272	+ 18
1219	Streaky Bay	32 48	134 13	13·1	1017·1	1018·6	+ 1·4	297·2	316·3	Dec. 9	285·4	277·1	May 17	291·3	*290·7*	+1·1	246	—133
1220	Adelaide	34 56	138 35	42·7	1013·6	1018·6	+ 1·6	296·4	315·9	Dec. 10	285·3	275·0	Aug. 21	290·8	*290·5*	+0·6	436	— 96
1221	Melbourne	37 49	144 58	35·1	1013·6	1017·8	+ 1·5	293·3	314·4	Feb. 15	283·2	271·8	Aug. 4	288·3	*288·0*	+0·6	633	— 14
1222	Bourke	30 13	145 58	110	1007·0	1019·9	+ 1·8	302·5	318·6	Nov. 27	285·9	270·8	July 5, 7	294·2	..	+0·6	150	—202
1223	Sydney	33 51	151 13	44·5	1012·3	1017·6	+ 1·8	295·6	310·8	Dec. 22	286·9	276·6	July 16	291·2	*290·7*	+0·9	1490	+275
1224	Lord Howe Island	31 20	159 0	4·6	1017·4	1017·9	+ 1·6	295·3	301·6	Jan. 26	288·8	279·7	Sept. 24	292·1	..	—0·1	1559	—142
1271	Auckland	36 50	174 50	38·1	..	1015·2	..	290·7	300·2	Feb. 11, 12	283·4	276·6	Sept. 8	287·1	..	—1·0	850	—263
1272	Napier	39 32 S.	176 53 E.	21·3	..	1014·5	+ 0·8	291·7	304·1	Jan. 22	281·4	271·6	July 17	286·6	..	—0·7	574	—258

YEAR—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	732	—195
1321	Isla Guafo	43 34	74 45	140	996·3	1013·3	— 2·4	285·2	298·2	Mar. 2	281·1	275·4	Aug. 6, 24	283·1	*283·2*	+0·3	1147	+ 55
1322	Punta Galera	40 1	73 44	40	1010·7	1015·5	— 1·0	287·1	299·5	Mar. 11	282·4	275·6	(June 29, July 7, 8)	284·7	*285·2*	+0·5	2319	+102
1323	Sarmiento	45 30	69 0	274	..	1009·1	..	289·7	308·2	Jan. 3, 21	278·3	263·6	June 15	284·0	283·6	0·0	229	+ 83
1324	Puerto Madryn	42 49	W64 58	14	..	..	..	..	311·2	Feb. 5	..	?268·6	Sept. 14	..	..	..	..	..
1325	Launceston	41 27	E147 10	10·1	1013·7	1014·8	+ 1·5	292·1	304·6	Feb. 15	280·6	270·3	Aug. 5	286·3	*285·5*	+0·7	484	—234
1326	Hobart	42 53	147 20	53·9	1007·4	1014·0	+ 1·6	290·3	306·8	Dec. 21	281·7	273·4	Aug. 5	286·0	*285·2*	+0·6	570	— 32
1370	Invercargill	46 25	168 21	5·5	..	..	..	287·2	300·8	Feb. 21	277·8	265·8	July 31	282·5	..	—0·5	1365	+181
1371	Dunedin	45 52	170 31	91·4	..	1012·3	+ 0·8	287·6	301·9	Feb. 17, 20	279·1	271·3	Sept. 1	283·3	..	+0·2	1088	+151
1372	Christchurch	43 31	172 38	7·6	..	1012·5	— 0·1	289·1	301·2	Jan. 23	279·3	268·2	Sept. 2	284·2	..	—0·6	550	— 93
1373	Wellington	41 16 S.	174 46 E.	2·4	..	1014·7	+ 1·2	288·8	300·3	Feb. 24	282·3	271·8	June 1	285·6	..	—0·3	724	—512
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡*See* "Remarks," pages 113 and 114.

YEAR—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	997·5	1004·3	+ 1·9	281·2	288·8	Mar. 22	277·9	269·5	Aug. 24	279·5	*279·4*	+0·1	2166	—577
1422	Puerto de Punta Arenas	53 10	70 54	4	1002·4	1002·9	+ 1·6	283·7	295·8	Mar. 12	276·1	266·7	July 22	279·9	*280·2*	+0·8	485	—355
1423	Punta Dungeness	52 24	68 26	5	..	..	..	282·9	297·0	Feb. 1	276·6	270·2	June 27	279·7	*280·7*	+0·5	194	—247
1424	Santa Cruz	50 11	68 21	12	..	1005·3	— 0·2	286·9	306·6	Jan. 26	276·9	265·8	July 5	281·9	281·9	+0·3	121	— 1
1424*a*	Año Nuevo	54 39	64 8	50	994·1	1000·2	+ 1·5	280·3	288·2	Mar. 16	276·3	268·6	Nov. 1	278·3	278·2	+0·3	612	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	785	+100
1426	Cape Pembroke	51 41	57 42	21	..	1003·0	+ 1·1	281·5	291·9	Feb. 24	275·8	269·7	Sept. 2	278·6	278·9	—0·2	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

YEAR—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	991·4	992·3	— 0·4	272·1	281·9	Mar. 17	266·7	244·4	June 19	269·4	269·5	+1·0	362	— 41
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

SUMMARY OF RESULTANT WINDS FOR THE YEAR, 1919.

	St. Helena. 1035.		Fanning Island. 805.	Sierra Leone. 834.	Entebbe. 844.	Malden Island. 905.	Tulagi. 969.	Ocean Island. 970.	Suva, Fiji. 1072.
Resultant	..	..	..	225° (15)	130° (18)	..	130° (38)	35° (26)	130° (41)
Normal	141° (89)	††7·3	‖105° (73)	272° (22)	255° (33)	81° (81)	134° (47)	100° (43)	90° (53)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—YEAR 1919.

‡‡ *Kara Sea.*—Normal conditions prevailed during the year.

‡‡ *White Sea.*—The ice remained in the entrance about ten days later than usual.

‡‡ *Barents Sea.*—In the early summer the ice was more westerly than usual in the eastern part of the sea, and throughout the summer half-year more northerly than usual in the northern part.

‡‡ *Spitsbergen.*—Normal conditions prevailed generally except in April when the icebelt along the south-western coasts was twice as broad as usual.

‡‡ *Greenland Sea.*—The position of the ice was generally normal except that in June and July the edge of the ice between 76° N. and 69° N. was more westerly than usual.

‡‡ *Iceland.*—Except on a few isolated days in March, April, May and July the coasts were free of ice throughout the year.

‡‡ *Denmark Strait.*—From December, 1918, to late in the spring the ice was lying closely packed far out to sea leaving the usual more or less wide land water. Icebergs were numerous. In June the ice began to move but the sea was not free of ice until the middle of September.

‡‡ *N. Atlantic and Labrador.*—The number of icebergs on the Newfoundland Banks was about normal during the year.

‡‡ *Davis Strait.*—The west ice reached to the coast at Egedesminde and Agto from January to May; at Godthaab the winter ice was insignificant. During the summer the Greenland coast was much freer of ice than usual. During the autumn the west ice was not far distant from the coast between Upernivik and Disko Bay. Throughout the winter 1919–20 no west ice was observed south of Disko Bay. Numerous icebergs occurred in June but in other months the number was normal.

‡‡ *Beaufort Sea.*—In July and August more ice than usual occurred along the north coast of Asia from East Cape to past Koliutschin Bay.

‡‡ *Isforholdene i de Arktiske Have*, 1919 and 1920, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, 1919.

TABLE SHOWING THE AUTHORITIES FOR THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1919, AND THE PERIOD OF THE NORMALS, TOGETHER WITH THE HOURS OF OBSERVATION (LOCAL MEAN TIME), FORMULÆ FOR MEANS, ETC.

Between Latitude 80° N. and 70° N. **P**=Barometric Pressure. **T**=½ (M + *m*) Temperature. **𝕋**=True Mean Temperature. **R**=Precipitation. **ZONE 1.**

Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
Barrow	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1919.	..	..
Inglefield Bay	Copenhagen, Dansk Meteor. Aarbog, 1919.	**P**, 9–14 yrs., 1853–1919.	kl **P**=⅛ (8+14+21). **𝕋**=⅛ [2(8+14)+5×21] Height small, but not known exactly.
Upernivik	Do. do.	**P**, **𝕋**, **R**, 1875–1916.	e **P**=⅛ (8+14+21). **𝕋**=⅛ [2(8+14)+5×21]
Spitsbergen (Green Harbour)	Kristiania, Jahrb. d. Norweg. Meteor. Instituts, 1919, 1920.	**P**, 15 yrs., 1872–1921. **𝕋**, **R**, Dec., 1911–June, 1921.	ek { **P**, **𝕋** (Jan., Feb., May to Dec.)=mean of 24 hours. { **𝕋** (Mar., April) derived from ⅛ (8+14+20).
Gjesvaer	Do. do., 1919	**P**, (1851–1900). **𝕋**, 1841–1917. **R**, 1883–1912.	ek **P**=⅛ (I + II + III) + corr. to reduce to mean of 24 hrs. **𝕋**=*n*—*k* (*n*—min.) where *n* is the mean of the three fixed daily observations, and *k* is a factor varying with the station and month.
Mehavn	Do. do.	**P**, **𝕋**, **R**, 1898–1917.	ek
Vardö	Do. do.	**P**, (1851–1900). **𝕋**, 1841–1921. **R**, 1893–1921.	ek
Malye Karmakouly	..	..	..
Waigatz	MS. data supplied by Central Phys. Obs., Petrograd.	**P**, (1871–95).	e **P**=⅛ (7+13+21). **𝕋** derived from these hours.
Haudhavn	Sverdrup, H., Maud-Ekspeditionens videnskabelige Arbeide, 1918–19. . . . Bergen, 1922, and MS. data supplied by Norveg. Meteor. Inst., Kristiania.	**P**, (1871–95).	**P**, **𝕋** (Jan., Feb.)=⅛ (8+14+20). **𝕋** (Mar. to June)=$\frac{1}{10}$ (2×8+14+7×20).

Between Latitude 70° N. and 60° N. **ZONE 2.**

Gambel	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1919.	..	..
Nome	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1919, and Rep. of Chief of Weather Bureau, 1919–1920.	**P**, (1901–20). **T**, 1907–16. **R**, 14 yrs., 1906–20.	**P**=¼ (6+18). **𝕋**=¼ (6+18+M+*m*).
Candle	See No. 202.	..	..
Tanana	See No. 203.	**P**, (1901–20). **T**, (1901–18). **R**, 11–14 yrs., 1905–20.	**P**=¼ (7+19). **𝕋**=¼ (7+19+M+*m*).
Rampart	See No. 202.	**R**, 1905–10; '13–20.	
Valdez	See No. 203.	**P**, (1901–20). **T**, (1898–1916). **R**, 1909–20.	**P**=¼ (7+19). **𝕋**=¼ (7+19+M+*m*).
Eagle	Do.	**P**, (1901–20). **T**, (1900–18). **R**, 12–17 yrs., 1882–1920.	**P**=¼ (8+19).
Dawson	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1919.	**P**, 1902–18. **T**, 1901–18. **R**, 1898–1914.	bce **P**=¼ (8+16+20).
Carcross	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1919, and MS. data.	**T**, 10 yrs. **R**, 1907–17.	..
Fort Good Hope	See No. 209.	**R**, unknown.	bce **P**=¼ (8+16½).
Fort Simpson	Do.	**T**, unknown. **R**, 8–14 yrs., 1897–1914.	bce **P**=¼ (8+17).
Hay River	Do.	**T**, unknown.	bce **P**=¼ (8+17½).
Jacobshavn	Copenhagen, Dansk Meteor. Aarbog, 1919.	**P**, **R**, 1874–1916. **𝕋**, 1874–1919.	e **P**=⅛ (8+14+21). **𝕋**=⅛ [2(8+14)+5×21]
Godthaab	Do. do.	**P**, **𝕋**, **R**, 1874–1916 (incomplete).	ek **P**=⅛ (8+14+21). **𝕋**=⅛ [2(8+14)+5×21]. "k" refers to April and May.
Ivigtut	Do. do.	**P**, **𝕋**, 1880–1917. **R**, 1875–1917.	e **P**=⅛ (8+14+20). **𝕋**=¼ (8+14+5×20).
Angmagsalik	Do. do.	**P**, 22 yrs., 1894–1916. **T**, 21 yrs., 1895–1916. **R**, 18 yrs., 1897–1916.	ek **P**=⅛ (8+14+21). **𝕋**=⅛ [2(8+14)+5×21]. "k" refers to Feb. only.
Styrkisholm	Do. do.	**P**, 1851–1900. **𝕋**, 1846–1900. **R**, 1856–1900.	ce **P**=⅛ (8+14+21). **𝕋**=⅛ [2(8+14)+5×21]
Vestmanno	Do. do.	**P**, (1851–1900). **𝕋**, 1878–1916. **R**, 1881–1916.	ce **P**=⅛ (8+14+21). **𝕋**=⅛ [2(8+14)+5×21]
Grimsey	Do. do.	**P**, (1851–1900). **𝕋**, 1875–1916. **R**, 36–43 yrs., 1874–1916.	ce **P**=⅛ (8+14+21). **𝕋**=⅛ [2(8+14)+5×21]
Berufiord	Do. do.	**P**, (1851–1900). **𝕋**, **R**, 1873–1916.	ce **P**=⅛ (8+14+21). **𝕋**=⅛ [2(8+14)+5×21]
Thorshavn	Do. do.	**P**, **T**, **R**, 1871–1916.	ce **P**=⅛ (8+14+21). **𝕋**=⅛ [2(8+14)+5×21]
Lerwick	London, Monthly Weather Rep. of Meteor. Office, 1919.	**P**, 1871–1915. **T**, **R**, 1881–1915.	ce **P**=¼ (7+13+21). M.S.L. reduced to 24 hrs. **𝕋**=¼ (7+13+2×21).
Bergen (Met. Obs.)	Kristiania, Jahrb. d. Norveg. Meteor. Instituts, 1919, and MS. data.	**P**, (1851–1900). **𝕋**, 1861–1910. **R**, 1765–70; 1861–1921.	e
Christiansund	Kristiania, Jahrb. d. Norveg. Meteor. Instituts, 1919.	**P**, (1851–1900). **𝕋**, 1841–1917. **R**, 1867–71; '76–1912.	ek
Trondhjem	See No. 237.	**P**, (1851–1900). **𝕋**, 1841–1917. **R**, 1885–1912.	e
Bodö	See No. 238.	**P**, (1851–1900). **𝕋**, 1841–1917. **R**, 1869–1912.	ek
Haparanda	Stockholm, „Statens Meteor.-Hydrogr. Anstalt, Årsbok, I, 1919.	**P**, (1851–1900). **𝕋**, 1859–1900. **R**, 1860–1910.	ce **P**=⅛ (8+14+21). **𝕋** derived from these hours.
Helsingfors	MS. data supplied by Valtion Meteor. Keskuslaitos, Helsingfors.	**P**, (1851–1900). **𝕋**, 1845–56; '82–1915. **R**, 70–71 yrs., 1844–1915.	**P**=⅛ (7+14+21). **𝕋**=mean of 24 hrs.
Kuopio	Do. do.	**P**, (1851–1900). **𝕋**, 1884–1915. **R**, 22–23 yrs., 1893–1915.	**P**=⅛ (7+14+21). **𝕋**=¼ (7+14+2×21).

For notes *see* page 114.

ZONE 2—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
243	Kola	MS. data supplied by Central Phys. Obs., Petrograd.	**P,** (1851–1917). **T,** 1876–1908 ; '10–'15. **R,** 1878–1908 ; '11–13.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.
244	Petrozavodsk	..	..	..	..
245	Arkhangelsk	See No. 243.	**P,** 1851–1917. **T,** 1813–1917. **R,** 1871–1917.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.
246	Mezen	Do.	**P,** 1871–1908. **T, R,** 1883–1908.	e	Do. do.
247	Oust-Tsylma	Do.	**P,** 1871–1915. **T,** 23 yrs., 1889–1915.	e	Do. do.
248	Tcherdyn	Do.	**P,** (1851–1900). **T,** 1847–48 ; '88–1908. **R,** 23 yrs., 1885–1908.	e	Do. do.
249	Berezov	Do.	**P,** (1851–1900). **T,** 47 yrs., 1836–1913. **R,** 29 yrs., 1878–1913.	e	Do. do.
250	Obdorsk	..	..	..	..
251	Sourgout	See No. 243.	**P,** (1851–1900). **T,** 27 yrs., 1884–1913. **R,** 1884–1908 ; '11–13.	ek	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.
252					
253	Doudinka	Do.	**P,** (1871–'95).	ek	Do. do.
254	Touroukhansk	Do.	**P,** (1871–'95). **T,** 27 yrs., 1877–1911. **R,** 1877–91.	ek	Do. do.
261					
262	Iakoutsk	Do.	**P,** 1871–1908 ; '11–13. **T,** 49 yrs., 1829–1913. **R,** 26–36 yrs., 1837–1913.	ek	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.
263	Verkhoïansk	Do.	**P,** (1891–1905). **T,** 26 yrs., 1869–1913. **R,** 22 yrs., 1886–1913.	ek	Do. do.
264					
271	Markovo-sur-Anadyr	MS. data supplied by l'Obs. Météor., Vladivostok.	**P, T, R,** 14 yrs., 1894–1914.	e	**P, T**=$\frac{1}{3}$ (7+13+21).
272	Novo-Mariinskii Post	See No. 243.	**P,** 10 yrs., 1899–1915. **T, R,** 11 yrs., 1898–1915.	e	**P, T**=$\frac{1}{3}$ (7+13+21).

ZONE 3.

Table showing the Authorities for the Meteorology of the Globe between Latitude 60° N. and 50° N.

301	Atka	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1919.	..	..	..
302	St. Paul Island	Do. do.	**P,** (1901–20).	c	**P**=$\frac{1}{2}$ (6+18).
303	Dutch Harbor (Radio)	Do. do.	**P,** (1901–20). **T,** (1898–1916). **R,** 1905–20.	c	**P**=$\frac{1}{2}$ (1+13).
304					
305	Dillingham	Do. do.	..	..	..
306	Kodiak (Radio)	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1919, and Rep. of Chief of Weather Bureau, 1919–20.	**P,** (1901–20). **R,** 16–21 yrs., 1898–1910 ; '13–20.	{	**P**=$\frac{1}{2}$ (2+14). Mean max. (Feb.), mean max. and min. (Dec.), **R,** (Jan., June, Aug., Oct., Dec.) interpolated from Experimental Station.
309	Sitka	See No. 306.			
310	Prince Rupert	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1919.	**P,** (1901–20). **T, R,** 17–19 yrs., 1898–1916.	c	{ **P** (Jan.-April)=20 h, (May-Dec.)=$\frac{1}{3}$ (8+20), (April, Year), derived from $\frac{1}{3}$ (20 h+M+m). (Dec.) derived from $\frac{1}{3}$ (8+20+M+m).
311	Barkerville	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1919, and MS. data.	**P,** 10 yrs., 1911–21. **T,** (24 yrs.). **R,** 11 yrs., 1910–21.	bce	**P**=$\frac{1}{2}$ (5+17). **T**=$\frac{1}{4}$ (5+17+M+m).
312	Kamloops	See No. 310.	**P,** 1900–18. **T,** 31 yrs. **R,** 1888–1913.	bc	**P**=$\frac{1}{2}$ (5+17). **T**=$\frac{1}{4}$ (5+17+M+m).
313	Calgary	See No. 311.			
314	Fort Chipewyan	See No. 310.	**P,** 1900–18. **T,** 27 yrs. **R,** 1892–1913.	bce	**P**=$\frac{1}{2}$ (4$\frac{1}{2}$+16$\frac{1}{2}$). **T**=$\frac{1}{4}$ (4$\frac{1}{2}$+10$\frac{1}{2}$+M+m).
315	Prince Albert	Do.	**P,** 1900–18. **T,** 34 yrs. **R,** 1884–1917.	bc	**P**=$\frac{1}{2}$ (5$\frac{1}{2}$+17$\frac{1}{2}$). **T**=$\frac{1}{4}$ (5$\frac{1}{2}$+17$\frac{1}{2}$+M+m).
316	Qu' Appelle	Do.	**T, R,** 20 yrs.	be	**P**=$\frac{1}{2}$ (8+18). **T** derived from $\frac{1}{3}$ (M+m).
317	Minnedosa	Do.	**P,** 1900–18. **T,** 34 yrs. **R,** 1884–1917.	bce	**P**=$\frac{1}{2}$ (6+18). **T**=$\frac{1}{4}$ (6+18+M+m).
318	Berens River	See No. 311.	**P,** 1900–13 ; '15–18. **T,** 34 yrs. **R,** 1883–1917.	bce	**P**=$\frac{1}{2}$ (6+18). **T** derived from $\frac{1}{4}$ (6+18+M+m).
318*a*	Port Nelson	See No. 310.	**P,** 1895–1918. **T,** 35 yrs. **R,** 1883–1917.	bce	**P**=$\frac{1}{2}$ (7+19). **T**=$\frac{1}{4}$ (7+19+M+m).
319	Fort Hope	See No. 311.	**T,** 25 yrs. **R,** 1886–1917.		
			P, unknown. **T, R,** 8$\frac{1}{2}$ years.	bce	**P**=$\frac{1}{2}$ (7$\frac{1}{2}$+18$\frac{1}{2}$).
320	Moose Factory	See No. 310.	**T,** unknown. **R,** 17 yrs.	b	**P**=$\frac{1}{2}$ (7+19). **T**=$\frac{1}{4}$ (7+19+M+m). Height corrected from mean pressure.
321	Fort George	MS. data supplied by Canadian Meteor. Service, Toronto.	**P,** 1901–18. **T,** unknown. **R,** 1878–1907 (incomplete).	be	**P**=$\frac{1}{3}$ (9+14+19).
322	Mistassini Post	See No. 311.	..		**T**=$\frac{1}{4}$ (9+21+M+m).
323	Hebron	..	..	..	..
324	Natashquan	Do.	**T, R,** unknown.	..	..
326	Belle Isle	Do.	..	..	..
			T, R, unknown.	..	..
334	Cahirciveen (Valencia Obs.)	London, Monthly Weather Rep. of Meteor. Office, 1919.	**P,** 1900–09 ; '11–13 ; '17–18. **T,** 1888–1918. **R,** 35 yrs.	ce	**P**=$\frac{1}{2}$ (8$\frac{3}{4}$+20$\frac{3}{4}$). **T**=$\frac{1}{4}$ (8$\frac{3}{4}$+20$\frac{3}{4}$+M+m).
335	Aberdeen	Do. do.	**P, R,** 1871–1915. **T,** 1881–1915.	e	**P, T**=mean of 24 hrs.
336	Greenwich	Do. do.	**P, R,** 1871–1915. **T,** 1881–1915.	e	**P, T**=mean of 24 hrs.
			P, 1841–1910. **T,** 1841–1915. **R,** 1881–1915.	e	**P, T**=mean of 24 hrs.
337	Uccle	Bruxelles, Inst. Roy. Météor., Ann. Météor., 1920, and MS. data.	**P,** 1833–1904. **T,** 1886–1910. **R,** 1833–1900.	e	**P, T**=mean of 24 hrs.
338	De Bilt	Utrecht, Nederlandsch Meteor. Inst., Jaarboek, 1919.	**P, T,** 1851–1900. **R,** 1897–1914.	ae	**P, T**=mean of 24 hrs.
338*a*	Hamburg	Hamburg, D. Seewarte, Ergebn. der Meteor. Beob., 1919.	**P, T,** 1876–1910. **R,** 1867–1916.	e	**P**=$\frac{1}{3}$ (8+14+20) reduced to mean of 24 hrs. **T** (May–Aug.)=$\frac{1}{3}$ (8+20+M+m), (Sept.–April)=$\frac{1}{24}$ [5(8+20)+2×14].
339	Copenhagen	Copenhagen, Dansk Meteor. Aarbog, 1919.	**P,** 1842–1917. **T,** 1876–1915. **R,** 1822–1917.	ce	**P**=$\frac{1}{3}$ (8+14+21). **T** derived from these hours.
340	Potsdam	Berlin, Ergebn. d. Meteor. Beob. in Potsdam, 1919 and 1920.	**P,** 1851–1916. **T,** 1893–1916. **R,** 1877–1916.	e	**P, T**=mean of 24 hrs.
340*a*	Upsala	Upsala, Bull. mens de l'Obs. Météor., 1919.	**P,** 1851–1900. **T,** 1866–1910. **R,** 1860–1910.	e	**P, T**=mean of 24 hrs.
341	Warsaw	MS. data supplied by Inst. Centr. Meteor., Warsaw.	**P, T,** 1851–1900. **R,** 1803–1915 (incomplete).		**P**=$\frac{1}{3}$ (7+13+21). **T**=mean of 24 hrs.
342	Dorpat (Jurjev)	Dorpat, Meteor. Beob. angestellt in . . . . 1919.	**P, T, R,** 1866–1915.	e	**P, T**=mean of tri-hourly observations.

For notes *see* page 114.

ZONE 3—*continued.*

Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
Petrograd	MS. data supplied by Central Phys. Obs., Petrograd.	**P, T,** 1851–1900. **R,** 90 yrs., 1778–'97 ; 1835–1915.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.
Kiev	Do. do.	**P,** 1871–1915. **T,** 1851–1900. **R,** 1856–1915.	e	Do. do.
Moscow	Do. do.	**P,** 1871–1915. **T,** 1851–1900. **R,** 61–62 yrs., 1853–1915.	e	Do. do.
Saratov	..	..	..	..
Kazan	See No. 343.	**P, T,** 1851–1900. **R,** 53 yrs., 1829–'32 ; '55–'58 ; '70–1915.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.
Orenburg	Do.	**P,** (1851–1900). **T,** 1843–75 ; '86–1915. **R,** 62 yrs., 1843–'76 ; '85–1915.	e	Do. do.
Perm	Do.	**P,** (1851–1900). **T,** 1866–'70 ; '83–1915. **R,** 33 yrs., 1882–1915.	ek	Do. do.
Ekaterinburg	Do.	**P, T,** 1851–1900. **R,** 1836–1915.	e	Do. do.
Tobolsk	Do.	**P,** 23 yrs., 1885–1913. **T,** 54 yrs., 1832–1913.	e	Do. do.
Akmolinsk	Do.	**P,** 1871–1908 ; '11–'13. **T,** 35 yrs., 1870–1913. **R,** 32 yrs., 1873–1913.	e	Do. do.
Omsk	Do.	**P,** 1871–1908 ; '10–'12. **T,** 26 yrs., 1875–1912. **R,** 28 yrs., 1875–1913.	ek	Do. do.
Barnaoul	Do.	**P, T,** 1851–1900.	e	Do. do.
Tomsk	Do.	**P,** 1871–1908 ; '10–'13. **T,** 54 yrs., 1837–1913.	ek	Do. do.
Minousinsk	Do.	**P,** (1871–95). **R,** unknown.	ek	Do. do.
Eniseisk	Do.	**P,** 1871–1908 ; '11–'13. **T,** 42 yrs., 1853–1913. **R,** 41 yrs., 1871–1913.	ek	Do. do.
Irkutsk	Do.	**P,** 1871–1908 ; '10–'13. **T,** 62 yrs., 1830–1913. **R,** 38 yrs., 1873–1913.	ek	Do. do.
Kirensk	Do.	**P,** (1871–1908 ; '10–'13). **T, R,** 1892–1908 ; '11–'13.	e	Do. do.
Tchita	Do.	**P,** (1871–1908). **T,** 1890–1908 ; '10–'11 ; '13. **R,** 24 years., 1887–1913.	ek	Do. do.
Nertchinskii Zavod	Do.	**P,** 1871–1908. **T,** 67 years., 1839–1908. **R,** 69 yrs., 1839–1908.	ek	Do. do.
Tygan Ourkan	Do.	..	e	Do. do.
Blagoveshchensk (Bureau Météor).	Do.	**P,** 1871–1908; '13–'14. **T,** 36 yrs., 1859–1913. **R,** 14–24 yrs., 1877–1908.	e	Do. do.
Baikanskii Sklad	Do.	..	e	Do. do.
Nikolaevsk-sur-Amour	MS. data supplied by l'Obs. Météor, Vladivostok.	**P,** 47 yrs., 1871–1908 ; '10–'19. **T,** 60 yrs., 1854–1908 ; '10–'19. **R,** 51 yrs., 1860–1908 ; '10–'19.	k	Do. do.
Okhotsk	See No. 343.	**P,** 1871–99 ; 1911–14. **T,** 25 yrs. **R,** 17 yrs.	e	Do. do.
Petropavlovsk (Radio)	See No. 365.	**P,** 13 yrs., 1891–1915.	e	Do. do.
Attu Island	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1919.	**P,** (1901–20).		**P**=8h.

Table showing the Authorities for the Meteorology of the Globe between Latitude 50° N. and 40° N.

ZONE 4.

Victoria, B.C.	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1919.	**P,** 1900–18. **T,** 29 yrs. **R,** 1881–1910.	be	**P, T**=mean of 24 hrs.	
Portland, Oregon	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1919–20, and Monthly Weather Rev., 1919.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	**P, T**=$\frac{1}{3}$ (8+20) reduced to mean of 24 hrs.	
Macleod	See No. 411 and MS. data.	**T,** 26 yrs. **R,** 1895–1917.		**T** derived from $\frac{1}{3}$ (M+m).	
Helena	See No. 412.	**P,** (1876–1915). **T,** 1880-1905. **R,** 1880–1917.	n	**P, T**=$\frac{1}{3}$ (8+20) reduced to mean of 24 hrs.	
Salt Lake City	Do.	**P,** 1876–1915. **T,** 1875–1905. **R,** 1874–1917.	n	Do.	do.
Cheyenne	Do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	Do.	do.
North Platte	Do.	**P,** 1876–1915. **T,** 1875–1905. **R,** 1874–1917.	n	Do.	do.
Bismarck	Do.	**P,** 1876–1915. **T,** 1875–1905. **R,** 1875–1917.	n	Do.	do.
Winnipeg	See No. 411.	**P,** 1900–18. **T,** 45 yrs. **R,** 1872–1917.	bce	**P**=mean of 24 hrs. **T**=$\frac{1}{4}$ (7+19+M+m).	
Duluth	See No. 412.	**P,** 1876–1915. **T, R,** 1904–'17.	n	**P, T**=$\frac{1}{3}$ (8+20) reduced to mean of 24 hrs.	
Port Arthur	See No. 411.	**P,** 1900–18. **T,** 38 yrs. **R,** 1881–1910.	bce	**P**=$\frac{1}{3}$ (7+14+19). **T**=$\frac{1}{4}$ (7+19+M+m).	
Chicago	See No. 412.	**P,** 1876–1915. **T,** 1873–1913. **R,** 1871–1917	n	**P, T**=$\frac{1}{3}$ (8+20) reduced to mean of 24 hrs.	
Toronto	See No. 411.	**P,** 1900–'18. **T,** 78 yrs. **R,** 70 yrs.	be	**P, T**=mean of 24 hrs.	
New York (Central Park)	New York, Rep. of Meteor. Obs., Central Park, 1919.	**P, T, R,** 1868–1920.	en	**P**=$\frac{1}{3}$ (7+14+21). **T**=mean of 24 hrs.	
St. John, N.B.	See No. 411.	**P,** 1902–18. **T,** 45 yrs. **R,** 1861–1910.	bce	**P**=$\frac{1}{3}$ (9+15+21). **T**=mean of 24 hrs.	
S.W. Point, Anticosti	Do.	**P,** 1900–18. **T,** 37 yrs. **R,** 1888–1907.	bce	**P**=$\frac{1}{3}$ (8$\frac{1}{2}$+15$\frac{1}{2}$+20$\frac{1}{2}$). **T**=$\frac{1}{4}$ (8$\frac{1}{2}$+20$\frac{1}{2}$+M+m).	
Sable Island (Main Station)	Do.	**P,** 1895–1918. **T,** 36 yrs. **R,** 1889–1917.	bce	**P**=$\frac{1}{3}$ (9+14+21). **T**=$\frac{1}{4}$ (9+21+M+m).	
Port aux Basques	Do.	**P, T, R,** 1909–'20.	bce	**P**=$\frac{1}{3}$ (9+21). **T**=$\frac{1}{4}$ (9+21+M+m).	
St. John's, Newfoundland	Do.	**P,** 1884–1918. **T,** 46 yrs. **R,** 1885–1916	bce	**P**=$\frac{1}{3}$ (9+21). **T**=$\frac{1}{4}$ (9+21+M+m).	
Madrid	Madrid, Anuario del Observatorio, 1921.	**P,** (1851–1900). **T, R,** 1860–1916.	e	**P, T**=$\frac{1}{8}$ (3+6+9+12+15+18+21+24).	
Nantes	MS. data supplied by l'Office National Météor, Paris.	**P, T,** 1851–1900. **R,** 1886–1910.	e	**P, T**=mean of 24 hrs.	
Paris (Parc St. Maur)	Do. do.	**P, T,** 1851–1900. **R,** 1820–1910.	e	**P, T**=mean of 24 hrs.	
Marseilles	Marseille, Commission de Météor. du Bouches du Rhône, Bulletin Annuel, 1919, 1920.	**P, T,** 1851–1900. **R,** 1867–1918.	c	**P**=$\frac{1}{8}$ (7+10+13+16+18+22). **T**, derived from these hours.	

For notes *see* page 114.

ZONE 4—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
438*a*	Zürich	Zurich, Ann. Schweiz. Meteor. Zentralanst, 1919.	**P**, **T**, 1864–1900. **R**, 1864–1913.	e	**P**, **T**=mean of 24 hrs.
439	Rome	MS. data supplied by R. Uff. Centr. Meteor. e Geodin., Rome.	**P**, 1851–1900. **T**, 1831–1910. **R**, 1826–1910.		**P**=$\frac{1}{3}$ (9+15+21). **T** derived from $\frac{1}{4}$ (9+21+M+*m*).
440	Vienna	Vienna, Jahrb. d. Zentralanst. für Meteor. und Geodyn., 1919.	**P**, 1851–1900. **T**, 1776–1900. **R**, 1845–1900.	e	**P**, **T**=mean of 24 hrs.
440*a*	Buda-Pesth	MS. data supplied by Meteor., es Foldmagn. Intezet, Buda-Pesth.	**P**, **T**, **R**, 1871–1920.		**P**=$\frac{1}{3}$ (7+14+21). **T** derived from these hours.
441	Sofia	Sofia, Bull. Mens. de l'Inst. Météor., 1919.	**P**, (1851–1900). **T**, 1892–1922. **R**, 1892–1922.	e	**P**=$\frac{1}{3}$ (7+14+21). **T**=$\frac{1}{8}$ (7+14+2×21).
442	Bucharest	MS. data supplied by Inst. Meteor. Centr., Bucharest.	**P**, (1851–1900). **T**, 1867–1916. **R**, 1864–69; '71–1916.	e	**P**=$\frac{1}{8}$ (8+14+20). **T**=mean of 24 hrs.
443	Odessa (University)	M.S data supplied by Central Phys. Obs., Petrograd.	**P**, **T**, 1851–1900. **R**, 69 yrs., 1841–1915.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.
444	Kharkov (University)	Do. do.	**P**, (1851–1900). **T**, **R**, 1877–1915 (incomplete).	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.
444*a*	Novorossiisk	Do. do.	**P**, (1851–1900). **T**, 1872–'85; '88–1915. **R**, 1892–1908; '11–'13.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.
445	Tiflis	Do. do.	**P**, **T**, 1851–1900. **R**, 71 yrs., 1844–1915.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.
446	Astrakhan	..	..	..	..
447	Fort Alexandrovsk	See No. 443.	**P**, (1851–1900). **T**, 55 yrs., 1848–1913. **R**, 40 yrs., 1848–1913.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.
448	Krasnovodsk	Do.	**P**, (1851–1900). **T**, 34 yrs., 1864–1914. **R**, 25 yrs., 1870–1908.	e	Do. do.
449	Aralskoe More	Do.	**P**, (1871–1908; '10–'17). **T**, (31 yrs., 1877–1913).	e	Do. do.
450	Tachkent	Do.	**P**, 1871–1908; '10–'17. **T**, **R**, 1877–'86; '92–1908; '11–'13.	e	Do. do.
451	Narynskoe	Do.	**T**, 25 yrs., 1885–1913.	k	Do. do.
452	Vernyi	Do.	..	..	**T**, derived from $\frac{1}{4}$ (7+13+21).
461	Mukden	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1919.	**P**, **R**, 1906–'18. **T**, 1906–'19.	ce	**P**, **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
462	Joshin	Do. do.	**P**, **R**, 1906–'18. **T**, 1906–'19.	ce	**P**, **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
463	Yuki	Do. do.	..	ce	**P**, **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
464	Vladivostok	MS. data supplied by l'Obs. Météor., Vladivostok.	**P**, 1876–1921. **T**, **R**, 1873–1921.	e	**P**=$\frac{1}{3}$ (7+13+21). **T**=mean of 24 hrs.
465	Ochiai	See No. 461.	**P**, **R**, 1908–'17. **T**, 1910–'22.	ce	**P**, **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
466	Nemuro	Do.	**P**, **T**, **R**, 1886–1920.	e	**P**, **T**=mean of 24 hrs.
466*a*	Syana	Do.	**P**, **T**, **R**, 1902–'21.	ce	**P**, **T**=$\frac{1}{6}$ (2+6+10+14+18+22).

ZONE 5 (Western Half).

Table showing the Authorities for the Meteorology of the Globe between Latitude 40° N. and 30° N.

511	San Francisco	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1919–20, and Monthly Weather Rev., 1919.	**P**, 1876–1915. **T**, 1873–1905. **R**, 1871–1917.	n	**P**, **T**=$\frac{1}{2}$ (8+20) reduced to mean of 24 hrs.
512	San Luis Obispo	Do. do.	**P**, (1876–1915). **T**, 1895–1905. **R**, 1871–1917.	n	Do. do.
513	San Diego	Do. do.	**P**, 1876–1915. **T**, 1873–1905. **R**, 1871–1917.	n	Do. do.
514	Modena	Do. do.	**P**, (1876–1915). **T**, **R**, 1901–17.	n	Do. do.
515	Santa Fé	Do. do.	**P**, (1876–1915). **T**, 1873–'82; '85–1905. **R**, 1871–1917.	n	Do. do.
516	Denver	Do. do.	**P**, 1876–1915. **T**, 1873–1905. **R**, 1872–1917.	n	Do. do.
517	Abilene	Do. do.	**P**, (1876–1915). **T**, 1886–1905. **R**, 1885–1917.	n	Do. do.
518	Saint Louis	Do. do.	**P**, 1876–1915. **T**, 1873–1905. **R**, 1871–1917.	n	Do. do.
519	Mobile	Do. do.	**P**, 1876–1915. **T**, 1873–1905. **R**, 1871–1917.	n	Do. do.
520	Nashville	Do. do.	**P**, 1876–1915. **T**, 1873–1905. **R**, 1871–1917.	n	Do. do.
521	Charleston	Do. do.	**P**, 1876–1915. **T**, 1873–1905. **R**, 1871–1917.	n	Do. do.
522	Washington	Do. do.	**P**, 1876–1915. **T**, 1873–1905. **R**, 1871–1917.	n	Do. do.
523					
524	Bermuda	Toronto, Monthly Record of Meteor. Obs., 1919, and Meteor. Obs. taken at Prospect, Bermuda, 1919.	**P**, **T**, **R**, 54 yrs., 1866–1920.	be	**P**=$\frac{1}{3}$ (8$\frac{1}{2}$+15). This approximates to a 24 hr. mean. **T**=$\frac{1}{4}$ (8$\frac{1}{2}$+20$\frac{1}{2}$+M+*m*).
530	Santa Cruz (Flores)	MS. data supplied by Director, Meteor. Service, Azores.	**P**, 1907–'22. **T**, **R**, 1911–'22.		**P**=mean of 24 hrs. **T** derived from $\frac{1}{8}$ (M+*m*).
531	Horta	Do. do.	**P**, **T**, **R**, 1902–'23.		**P**, **T**=mean of 24 hrs.
532	Ponta Delgada	Do. do.	**P**, **T**, 1894–1923.		**P**, **T**=mean of 24 hrs.
532*a*	Faja da Cima	Do. do.	**R**, 1894–1923.		
533	Madeira (Funchal)	Lisbon, Obs. Infante de Luis, Resumo das Observações, 1919.	**P**, **T**, **R**, 1864–1918.	e	**P**=$\frac{1}{3}$ (9+15+21). **T**=$\frac{1}{4}$ (9+21+M+*m*).
534					
535	Lisbon	Do. do.	**P**, **T**, **R**, 1871–1919.	e	**P**=$\frac{1}{3}$ (9+15+21). **T** derived from $\frac{1}{4}$ (9+21+M+*m*).
536	Gibraltar	MS. data at M.O.	**P**, **T**, **R**, 1852–1920.	e	**P**=$\frac{1}{3}$ (7+13+21). **T**=$\frac{1}{4}$ (7+13+2×21).
536*a*	Melilla	Madrid, Res. Obs. efect. en las Estaciones del Servicio Meteor. Espagñol, 1919.	**P**, **T**, **R**, 1908–'17.	e	**P**=$\frac{1}{3}$ (8+16). **T** (Jan.-Nov.) derived from these hours, (Dec. and Year) derived from $\frac{1}{8}$ (M+*m*). By comparison, the pressures appear about 2·5 mb. too low. This correction has been applied.

For notes *see* page 114.

Between Latitude 40° N. and 30° N. **ZONE 5 (Eastern Half).**

Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
Palma	Madrid, Res. Obs. efect. en las Estaciones del Servicio Meteor. Espagñol, 1919.	**P**, **R**, 1870–1916. **T**, 1881–1916.	e	**P**=$\frac{1}{2}$ (8+16).
Algiers (Bouzaréah)	MS. data supplied by l'Office National Météor., Paris.	**P**, **T**, **R**, 1894–1914.		**P**, **T**=mean of tri-hourly observations.
Tunis	Do. do.	**T**, 18 yrs., **R**, 25 yrs., 1887–1914.	e	**P**=$\frac{1}{3}$ (7+13+19). **T** derived from these hours.
Malta	Malta, Meteor. Obs., 1919.	**P**, 1852–1923. **T**, 1853–1923. **R**, 70 yrs., 1853–1923.	c	**P**=8 h. **T** derived from $\frac{1}{2}$ (M+*m*).
Riposto	Riposto, Osservatorio Meteor., Bollettino Mensile, 1919.	**P**, 1898–1922. **T**, 1875–1919. **R**, 1880–1905.		**P**=$\frac{1}{3}$ (9+15+21). **T** derived from these hours.
Athens	MS. data supplied by Obs. Meteor. Astr., Athens.	**P**, 1841–1910 (incomplete). **T**, 1858–1914. **R**, 1858–1911.	e	**P**, **T**=mean of 24 hrs.
Alexandria	Cairo, Phys. Dept., Meteor. Rep., 1919.	**P**, 1872–1920. **T**, 1901–20. **R**, 1891–1920.	ce	**P**=$\frac{1}{3}$ (8+14+20). **T** derived from $\frac{1}{4}$ (8+14+20+*m*).
Cairo (Helwan)	Do. do.	**P**, **R**, 1904–'20. **T**, 1904–'17.	e	**P**, **T**=mean of 24 hrs.
Nicosia (P.W.D.)	Do. do.	**P**, 1907–'20. **T**, **R**, 1888–1914.	c	**P**=$\frac{1}{2}$ (8+15).
Beirut	MS. data supplied by the Observatory American University, Beirut.	**P**, 1876–1910. **T**, **R**, 1876–1905.	c	**P**=$\frac{1}{8}$ (8$\frac{1}{2}$+14$\frac{1}{2}$+20$\frac{1}{2}$). **T**=$\frac{1}{8}$ (8$\frac{1}{2}$+14$\frac{1}{2}$+20$\frac{1}{2}$+2×M+3×*m*).
Baghdad	Calcutta, India Weather Review, 1919, and M.S. data supplied by Indian Meteorological Department, Simla.	**P**, 1896–1910. **T**, **R**, see current data.	a	**P**=7 h. **T** derived from this hour.
Basrah	Calcutta, India Weather Review, 1919.	See current data.	aq	**P**=8 h.
Lenkoran	MS. data supplied by Central Phys. Obs., Petrograd.	**P**, 1881–1915. **T**, 1870–'84; '92–1915. **R**, 1847–'56; '73–1915.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.
Teheran	See No. 546.	See current data.	a	**T** derived from $\frac{1}{2}$ (M+*m*).
Meshed	..	..	..	..
Seistan	See No. 546.	See current data.	a	..
Quetta	Do.	Do.	aq	**P**=8 h. **T** derived from $\frac{1}{2}$ (M+*m*).
Peshawar	Do.	Do.	aq	Do. do.
Lahore	Do.	Do.	aq	**P**=8 h. **T** derived from $\frac{1}{2}$ (10+16).
Simla	Do.	Do.	aq	**P**=8 h. **T** derived from $\frac{1}{2}$ (M+*m*).
Leh	Do.	Do.	aq	**P**, **T** (Jan. to May, Year)=8 h. **T** (June to Dec.) derived from $\frac{1}{2}$ (M+*m*).
Hankow	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1919.	**P**, **T**, 1906–'19. **R**, 1900–'19.	ce	**P**=$\frac{1}{3}$ (6+14+22). **T** derived from these hours.
Tientsin	Do. do.	**P**, **T**, 1906–'19. **R**, 1904–'19.	ce	**P**=$\frac{1}{3}$ (6+14+22). **T** derived from these hours.
Shanghai (Zi-ka-Wei)	Zi-Ka-Wei, Revue Mensuelle de l'Observatoire, 1919.	**P**, **T**, **R**, 1873–1920.		**P**, **T**=mean of 24 hrs.
Jinsen (Chemulpo)	Jinsen, Ann. Rep, Meteor. Obs., Chosen, 1919.	**P**, 1888–1915. **T**, 1888–1922. **R**, 1904–'23.	e	Do.
Nagasaki	Tokio, Ann. Rep. Centr. Meteor. Obs. Japan, 1919.	**P**, **T**, **R**, 1886–1920.	e	Do.
Kioto	Do. do.	**P**, **T**, **R**, 1881–1910.	e	Do.
Tokio	Do. do.	**P**, **T**, **R**, 1886–1920.	e	Do.
Kanayama	Do. do.	**P**, **T**, **R**, 1898–1919.	ce	**P**, **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
Miyako	Do. do.	**P**, **T**, 1886–1910. **R**, 1886–1915.	ce	Do. do.

Table showing the Authorities for the Meteorology of the Globe between Latitude 30° N. and 20° N. **ZONE 6.**

Midway Island	Washington, D.C., U.S. Dept. Agric., Monthly Weather Rev., 53, 1925, p. 357 and MS. data.	**P**, 1912–24.		**P**=18$\frac{1}{2}$h.	
Honolulu	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1919–20.	**P**, 1905–21. **T**, 1892–1916. **R**, 1892–1903; '05–17.	e	**P**=$\frac{1}{2}$ (8+20). **T**=$\frac{1}{2}$ (8+20+M+*m*) (157$\frac{1}{2}$° W. Meridian time).
La Paz	..	..	..	..	..
Chihuahua	MS. data supplied by Director, Obs. Meteor., Tacubaya.	..	..	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from these hours.
Leon	Do. do.	**P**, 1882–1906. **T**, **R**, 1878–1906.	q	Do. do.
Monterry	Do. do.	..	..	Do. do.
Tulancingo	Mexico, Soc. Cient. "Antonio Alzate," Mem. 40, 1922, p. 485.	**T**, **R**, 1911–'14; '16–21.		**P**, **T**=mean of 24 hrs.
Galveston	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1919–20 and Monthly Weather Rev., 1919.	**P**, 1876–1915. **T**, 1873–1905. **R**, 1871–1917.	n	**P**, **T**=$\frac{1}{2}$ (8+20) reduced to mean of 24 hrs.
New Orleans		Do. do.	n	Do. do.
Merida, Yuc.	See No. 615.	..	..	..
Havana	Habana, Obs. Meteor. del Colegio de Belen, 1919.	**P**, 1876–1915. **T**, 1897–1914. **R**, 1859–1917.	d	**P**=$\frac{1}{3}$ (7+14+21). **P**=$\frac{1}{10}$ (4+6+8+10+12+14+16+18+20+22). **T**=$\frac{1}{16}$[(4+6+8+10+12+14+16+18+20+22)+(4+22)].
Key West	See No. 618.	**P**, 1876–1915. **T**, 1873–1905. **R**, 1871–1917.	n	**P**, **T**=$\frac{1}{2}$ (8+20) reduced to mean of 24 hrs.
Nassau, Bahamas	MS. data at M.O.	**P**, 46 yrs., 1871–91; '95–1920. **T**, 43 yrs., 1874–91; '95–1920. **R**, 55 yrs., 1855–62; '68–1920.	c	**P**=$\frac{1}{2}$ (8+15). **T** derived from $\frac{1}{2}$ (M+*m*).
Watling Island		**P**, (1873–99).	ekl	**P**, **T**=$\frac{1}{5}$ (2+8+12+16+22).
Teaña	Do.	..		**P**=$\frac{1}{3}$ (7+14+21). **T**=$\frac{1}{4}$ (7+14+2×21).
La Laguna	Madrid, Res. obs. efect. en las Estaciones del Servicio Meteor. Español, 1919.	**P**, (1880–1920). **T**, 29 yrs., 1881–1916. **R**, 38 yrs., 1869–1916.	de	**P**=$\frac{1}{3}$ (8+16).
Insalah	Do. do.	**T**, 1903–14.		**T**=$\frac{1}{4}$ (7+13+18+$\frac{18+m}{2}$).
	MS. data supplied by l'Office National Météor., Paris.			
Siwa	..	..	..	..
Aswan	..	..	..	..
Tor	Cairo, Phys. Dept., Meteor. Rep., 1919.	**P**, **T**, 1901–20.	cef	**P**=$\frac{1}{3}$ (8+14+20). **T**=$\frac{1}{4}$ (8+14+20+*m*). No rain-gauge, as rainfall is practically unknown.
	Do. do.	**P**, **T**, 1905–20.	cef	Do. do.

For notes *see* page 114.

ZONE 6—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
647	Bushire	Calcutta, India Weather Review, 1919.	See current data.	aq **P**=8h, (Mar. 7h). ☾ derived from ½ (M+*m*).
648	Jask	Do. do.	Do.	aq **P**=8h, (Mar. 7h). ☾ derived from ½ (M+*m*).
649	Robat	Do. do.	Do.	aq **P**=8h.
649*a*	Karachi	Do. do.	Do.	aq **P**=8h. ☾ derived from ½ (M+*m*).
650	Jacobabad	Do. do.	Do.	aq Do. do.
651	Jaipur	Do. do.	Do.	aq **P**=8h. ☾ derived from ½ (10+16).
652	Nagpur	Do. do.	Do.	aq **P**=8h. ☾ derived from ½ (M+*m*).
653	Allahabad	Do. do.	Do.	aq **P**, ☾ (June, Year)=8h. ☾ (Jan.–May, July–Dec.) derived from ½ (M+*m*).
653*a*	Darjiling	Do. do.	Do.	aq **P**=8h. ☾ derived from ½ (M+*m*).
654	Calcutta	Do. do.	Do.	aq **P**=8h. ☾ derived from ½ (10+16).
655	Gauhati	Do. do.	Do.	aq **P**=8h. ☾ derived from ½ (M+*m*).
655*m*	Cherrapunji	Do. do.	Do.	adq **P**=8h.
655*a*	Akyab	Do. do.	Do.	aq **P**=8h. ☾ derived from ½ (M+*m*).
656	Mandalay	Do. do.	Do.	aq Do. do.
656*a*	Tengyueh	MS. data supplied by Chinese Maritime Customs.	..	e **P**=¼ (3+9+15+21). ☾=⅓ (3+6+9+12+15+21+$\frac{15+21}{2}$+$\frac{21+3}{2}$). Max. temp. refers to period 9h. to 15h. and min. to 15h. to 9h.
657	Phu Lien	MS. data supplied by l'Office National Météor., Paris.	**P**, ☾, 10 yrs., 1904–14. **R**, 14 yrs., 1904–18.	ce **P**=⅛ (10+16). ☾ derived from these hours.
658	Moncay	Do. do.	**P**, **T**, 1904–14. **R**, 1904–18.	ce Do. do.
659	Hong Kong	Hong Kong, Royal Observatory, Monthly Meteor. Bulletin, 1919.	**P**, ☾, **R**, 1884–1918.	**P**, ☾=mean of 24 hrs.
660	Amoy	MS. data at M.O.	**P**, 15 yrs., 1894–1901; '14–22. **T**, 1890–1912. **R**, 1900–10; '15; '17–20.	ce **P**=9h. ☾ derived from ½ (M+*m*). Max. temp. refers to period 9h. to 18h. and min. to 18h. to 9h.
661	Taihoku, Formosa	Tokio, Ann. Rep. Centr. Meteor. Obs. Japan, 1919.	**P**, ☾, **R**, 1897–1918.	e **P**, ☾=mean of 24 hrs.
661*a*	Basco, (Santo Domingo)	Manila, Weather Bureau, Ann. Rep., Part III., and Bulletin, 1919.	**P**, ☾, 1903–17. **R**, 16 yrs., 1903–19.	c **P**=½ (6+14). ☾ derived from these hours.
662	Naha	See No. 661.	**P**, ☾, **R**, 1891–1920.	e **P**, ☾= mean of 24 hrs.
665	Titizima (Bonin Is.)	Do.	**P**, ☾, **R**, 1906–20.	ce **P**, ☾=⅛ (2+6+10+14+18+22).

ZONE 7. Table showing the Authorities for the Meteorology of the Globe between Latitude 20° N. and 10° N.

715	Colima	MS. data supplied by Director, Obs. Meteor., Tacubaya.	..	**P**=⅛ (7+14+21). ☾ derived from these hours.
716	Morelia	Do. do.	..	Do. do.
717	Mexico, Tacubaya	Do. do.	**P**, unknown. ☾, **R**, 1900–22.	q **P**, ☾=mean of 24 hrs.
718	Salina Cruz	Do. do.	..	d **P**=⅛ (7+14+21).
719	San Salvador	San Salvador, Anales del Obs. Meteor., 1919.	**P**, 1889–1902; '11–19. ☾, **R**, 1889–1902; '11–14.	e **P**=⅛ (7+14+21). ☾=¼ (7+14+2×21). H_b is given as 686m., but comparison with charts shows that H_b is approx. 665m.
720	Belize	MS. data at M.O.	**P**, 1888–1900. **T**, 1895–1905; '11–13. **R**, 1888–1917.	den **P**=8 h.
721	Jamaica (Negril Pt.)	Jamaica Blue Book, 1919.	**P**, (1876–1915). **T**, 1898–1919. **R**, 1895–1909.	c **P**, ☾=⅛ (7+15) reduced to mean of 24 hrs.
722	Port au Prince	MS. data supplied by l'Office National Météor., Paris.	**P**, (1876–1915). **T**, **R**, 1888–1912.	ce **P**=⅛ (7+13+21). ☾ derived from these hours.
723	Caracas	MS. data supplied by Director, Observatorio Cajigal, Caracas.	**P**, 1893–1920. ☾, 1895–1917. **R**, 1891–1917.	q **P**=½ (10+16) (67½° W. Meridian time which approximates to the mean of 24 hrs. ☾=¼ (6+12+18+$\frac{24+0}{2}$).
724	Montserrat	MS. data at M.O.	**P**, (1876–1915).	cde **P**=½ (9+15).
724*a*	Grenada (Richmond Hill)	Grenada, Govt. Gazette, 1919.	**P**, (1876–1915). **T**, **R**, 1887–1918.	e **P**=½ (9+18). ☾ derived from ½ (M+*m*).
725	Barbados, C. Verde. Is.	Barbados Blue Book, 1919.	**P**, (1876–1915). **T**, (1887–1918). **R**, 1871–1910.	c **P**=½ (9+15). ☾ derived from these hours. Max. temp. refers to period 9h. to 15h. and min. to 15h. to 9h.
731	St. Vincent, C. Verde. Is.	Lisbon, Obs. Infante D. Luis, Resumo das Observações, 1919.	**P**, **T**, **R**, 1884–1919.	e **P**=⅓ (9+15+21). ☾=¼ (9+21+M+*m*).
732	San Tiago, C. Verde Is.	Do. do.	..	e **P**=⅓ (9+15+21). ☾=¼ (9+21+M+*m*).
733	Bathurst	Gambia, Blue Book, 1919, and MS. data.	**P**, 1893–1900; '04–19. **T**, 1890–1900; '04–19. **R**, 1888–1900; '04–19.	e **P**=9 h. ☾ derived from this hour.
734	M'Carthy Island	MS. data supplied by Governor of The Gambia, and Gambia Blue Book, 1919.	**P**, (1891–1918). ☾, (1875–1919). **R**, 1884–1918.	..
735	Ségou	..	**T**, 1908–16. **R**, 1908–17.	..
736	Timbuctoo	..	..	..
737	Sokoto	MS. data at M.O.	..	o ☾ derived from ½ (M+*m*).
738	Kaduna Capital	Do.	**T**, 12 yrs., 1907–19. **R**, 1904–18.	eo **P**=9 h. ☾ derived from ½ (M+*m*).
739	Hadeija	Do.	**P**, (1891–20). **T**, (1907–23). **R**, (10–11 yrs., 1914–24).	o ☾ derived from ½ (M+*m*).
740	Maiduguri	Do.	**T**, 10 yrs., 1907–19.	o Do. do.
741	El Fasher	Cairo, Phys. Dept., Meteor. Rep., 1919.	**T**, 13 yrs., 1906–19. **R**, 1904–18.	..
743	El Obeid	Do. do.	..	ceg **P**=¼ (8+14+20). ☾=¼ (8+14+20+*m*).
743*a*	Khartoum	Do. do.	**P**, ☾, 1901–20. **R**, 1902–20.	ce **P**=¼ (8+14+20). ☾ derived from ¼ (8+14+20+*m*).
744	Port Sudan	Do. do.	**P**, ☾, 1900–20. **R**, 1899–1920.	ceg **P**=¼ (8+14+20). ☾=¼ (8+14+20+*m*).
745	Berbera, Somaliland	MS. data at M.O.	..	ce **P**=¼ (8+20). ☾=¼ (8+20+*m*).
746	Aden	Calcutta, India Weather Review, 1919.	**P**, 1908–22. ☾, 1908–20. **R**, 1906–20.	aq **P**=8 h. ☾ derived from ⅓ (10+16).
751	Bombay	Do. do.	See current data.	aq **P**=8 h. ☾ derived from ⅓ (M+*m*).
751*a*	Cochin	Do. do.	Do.	aq **P**=8 h. ☾ derived from ⅓ (10+16).
752	Kodaikanal	Do. do.	Do.	aq **P**=8 h. ☾ derived from ⅓ (M+*m*).
752*a*	Bangalore	Do. do.	Do.	aq **P**=8 h. ☾ derived from ⅓ (10+16).
753	Madras	Do. do.	Do.	aq Do. do.
754	Vizagapatam	Do. do.	Do.	aq Do. do.
755	Port Blair	Do. do.	Do.	aq **P**=8 h. ☾ derived from ⅓ (M+*m*).
756	Rangoon	Do. do.	Do.	aq Do. do.

For notes *see* page 114.

ZONE 7—*continued.*

Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
Saigon	MS. data supplied by l'Office National Météor., Paris.	**P**, 1904–15. **T**, 24 yrs., 1873–80; '96–1915. **R**, 27 yrs., 1874–79; '96–1918.	cde **P**=½ (10+16).
Nhatrang	Do. do.	**P**, **T**, 1903–14. **R**, 1903–18.	cde **P**=½ (10+16).
Bolinao	Manila, Weather Bureau, Ann. Rep., Part III, and Bulletin, 1919.	**P**, 14 yrs., 1902–19. ☾, 11 yrs., 1902–16. **R**, 25 yrs., 1886–97; 1902–17.	c **P**=½ (6+14). ☾ derived from these hours.
Vigan	Manila, Weather Bureau, Ann. Rep., Part III, 1919.	**P**, ☾, 15 yrs., 1902–18. **R**, 22 yrs., 1887–'96; 1902–17.	c **P**, ☾=⅛ (2+6+10+14+18+22).
Manila	Manila, Weather Bureau, Ann. Rep., Part II, 1919.	**P**, ☾, 1885–1919. **R**, 1865–1919.	**P**, ☾=mean of 24 hrs.
Ormoc	See No. 759.	**P**, ☾, 1902–05; '07–17. **R**, 1902–18.	c **P**=½ (6+14). ☾ derived from these hours.
Guam, Ladrone Is.	Do.	**P**, 1907–18. ☾, 1906–18. **R**, 1906–20.	c **P**=½ (6+14). ☾ derived from these hours.

Table showing the Authorities for the Meteorology of the Globe between Latitude 10° N. and 0°. **ZONE 8.**

Fanning Island		MS. data supplied by Chief of the Weather Bureau, Washington.	☾, 12 yrs., 1904–18. **R**, 1903–18.	d
Colon		Balboa Heights, Panama Canal Section of Meteor. and Hydrogr., Monthly Meteor. Rep., 1919.	**P**, **T**, 19 yrs., 1881–88; 1907–19. **R**, 1871–1918.	d **P**, reduced to mean of 24 hrs.
Bogota		Sarasola, S., Noticia del nuevo Obs. . . . de Colombia. Bogota, Notas Geof. y Meteor., I, 1924.	**R**, 1866–85; '94–1922.	..
Merida, Venez.		MS. data supplied by Director, Observatorio Cajigal, Caracas.	..	**P**=½ (10+16). Pressure appears too high by about 6 mb. ☾ derived from ½ (M+*m*).
El Peru, Guayanavieja		MS. data at M.O.	**P**, ☾, **R**, 11 yrs., 1910–22.	e **P**, ☾=7½ h. approx.
Georgetown, Brit. Guiana		British Guiana Blue Book, 1919.	**P**, 1894–1921. **T**, 1894–1916. **R**, 1846–56; '64–1917.	**P**=⅛ (7+13+18). ☾ derived from these hours.
Paramaribo		MS. data supplied by K. Ned. Meteor. Inst.	**P**, 1876–1915. ☾, 34 yrs., 1864–1915. **R**, 1871–1910.	ae **P**=⅛ (8+14+18). ☾ derived from these hours. By comparison the pressures appear about 2·3 mb. too low. This correction has been applied.
Cayenne		MS. data supplied by l'Office National Météor, Paris.	**T**, 1890–1912. **R**, 1859–99; 1903–12.	☾ derived from ½ (9+16).
Conakry		..	..	..
Freetown, Sierra Leone		MS. data at M.O.	**P**, 1891–1919. ☾ (Jan.–Nov., Year), **T** (Dec.), 1875–1919. **R**, 1847–51; '75–1919.	e **P**, ☾ (Jan.–Nov. and Year)=½ (9+17). ☾ (Dec.)=¼ (17 h+M+2*m*).
Cape Coast Castle		MS. data supplied by Medical and Sanitary Services, Accra.	**R**, 1896–1912.	..
Accra		Do. do.	**T**, 27–30 yrs., 1888–1908; '11–'20. **R**, 32 yrs., 1888–1920.	..
Lagos		Nigeria Blue Book, 1919.	**T**, 1886–1900; '06–'15. **R**, 1886–1919.	de **P**=9 h.
Zungeru		MS. data at M.O.	**T**, 1905–19. **R**, 1903–19.	☾ derived from ½ (M+*m*).
Libreville		..	..	..
Yola		MS. data at M.O.	☾ (Jan.-Mar.), 15 yrs., 1904–19, (April-Dec. and Year), 1915–24. **R**, 1904–18.	☾ (Jan.-Mar.) derived from ½ (M+*m*). ☾ (April–Dec. and Year)=9 h.
Wau		Cairo, Phys. Dept., Meteor. Rep., 1919.	**P**, ☾, 1902–20. **R**, 1904–20.	eg **P**=⅛ (8+14+20). ☾=¼ (8+14+20+*m*).
Malakal (Kodok)		Cairo, Phys. Dept., Meteor. Rep., 1919.	**P**, 10½ yrs. **R**, 10 yrs.	eg **P**=⅛ (8+14+20). ☾=¼ (8+14+20+*m*).
Mongalla		Do. do.	**P**, ☾, **R**, 1903–20.	egq **P**=⅛ (8+14+20). ☾ (Jan.–Feb.)=¼ (8+14+20+*m*). ☾ (Mar.–Dec. and Year)=⅛ (8+20).
Entebbe		M.S data at M.O.	**P**, 20 yrs., 1902–22. **T**, 1901–18. **R**, 24 yrs., 1896–1920.	q **P**=⅛ (7+14+21). ☾ derived from ¼ (7+14+2×21).
Harrar		..	..	..
Minicoy		Calcutta, India Weather Review, 1919.	See current data.	e **P**=8 h.
Colombo Observatory		Ceylon, Govt. Gazette, Suppl., 1919.	**P**, 1912–24. **T**, **R**, 1908–24.	e **P**=½ (9½+15½). ☾ derived from ½ (M+*m*).
Nuwara Eliya		Do. do.	**T**, 1875–1916. **R**, 1869–1916.	☾ derived from ½ (M+*m*).
Trincomalee		Do. do.	**P**, 1871–1916. **T**, 1872–1916. **R**, 1870–1916.	e **P**=½ (9½+15½). ☾ derived from ½ (M+*m*).
Kota Radja		Batavia, Regenw. in Nederlandsch-Indie, 1919.	**R**, 1879–1915.	..
Medan		Do. do.	**R**, 1879–1915.	..
Penang		Straits Settlements, Meteor. Returns, 1919, and MS. data.	**P**, 1882–1916. **T**, 1882–1920. **R**, 1883–1916.	ade **P**=⅛ (9+15+21).
Singapore		Do. do.	**P**, 1898–1916. **T**, 1898–1920. **R**, 1869–1920.	de **P**=⅛ (9+15+21).
Sandakan		British North Borneo Herald, 1919.	**T**, **R**, 1879–95; 1905–20.	d ..
Tawahig		Manila, Weather Bureau, Ann. Rep., Part III., and Bulletin, 1919.	**P**, (1903–'05; '08; '11–'18).	**P**=½ (6+14). ☾ derived from these hours.
Tagbilaran		Manila, Weather Bureau, Ann. Rep., Part III, 1919.	**P**, 15 yrs., 1902–18. ☾, **R**, 15 yrs., 1903–18.	**P**, ☾=⅛ (2+6+10+14+18+22).
Menado		See No. 855.	**R**, 1879–1915.	..
Surigao		Manila, Weather Bureau, Ann. Rep., Part III, 1919.	**P**, 15 yrs., 1902–18. **R**, 1902–17.	**P**, ☾=⅛ (2+6+10+14+18+22).
Yap		Do. do.	**P**, 1907–08; '10–20. ☾, 1906–08; '10–20; **R**, 15 yrs., 1905–20.	Do. do.

Between Latitude 0° and 10° S. **ZONE 9.**

Malden Island		MS. data at M.O.	☾, 27 yrs., 1890–1919. **R**, 28 yrs., 1890–1919.	☾ derived from 9h.
Manaos		MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	☾, 1911–19. **R**, 1901–19.	h ☾=¼ (7+21+M+*m*).
Taperinha		Do. do.	**P**, ☾, 1914–23.	**P**=⅛ (7+14+21). ☾=¼ (7+14+2×21).
Turyassu		Do. do.	**P**, ☾, **R**, 1912–19.	q Do. do.
Barra do Corda		Do. do.	**P**, ☾, **R**, 1912–19.	q Do. do.
Quixeramobim		Do. do.	**P**, ☾, **R**, 1896–1919.	q **P**=⅛ (7+14+21). ☾ derived from ¼ (7+14+2×21).
Fernando Noronha		Do. do.	**P**, **R**, 1911–19.	q **P**=⅛ (7+14+21). ☾=¼ (7+14+2×21).

For notes *see* page 114.

ZONE 9—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
939	Loanda	Loanda, Resumo das Observações météor., Boletim Oficial, 1919.	**P,** 1879–97; 1900–09; '13–20. ℂ, **R,** 1879–97; 1900–20.		**P,** ℂ=mean of 24 hrs.
940	Brazzaville	MS. data supplied by l'Office National Meteor., Paris.	**P,** 13 yrs., 1898, 1906–19. **T,** 14 yrs., 1898; 1906–20. **R,** 1898; 1906–10; '12–20.	de	P=½ (9+16), G.M.T.
943	Masaka	MS. data at M.O.	ℂ, 14 yrs., 1903–22. **R,** 1902–20.		ℂ=¼ (7+14+2×21).
944	Nairobi	Nairobi, Dept. Agric., Meteor. Records, 1914–19.	**T,** 1904–20. **R,** 1904–16.	bd	..
944*a*	Zanzibar	Calcutta, India Weather Review, 1919.	See current data.	a	P=8h. ℂ derived from this hour.
945	Lamu	See No. 944.	**T,** 1911–20. **R,** 20 yrs., 1894–99; 1906–20.	bd	..
946					
947	Seychelles, Port Office	See No. 944a.	**P,** ℂ, see current data. **R,** 1891–1916.		P, ℂ=½ (10+16) reduced to mean of 24 hrs.
948					
957	Padang	Batavia, Regenw. in Nederlandsch-Indie, 1919.	**R,** 1879–1915.		..
958	Batavia	Batavia, Obs. R. Magn. and Meteor. Obs., 1919, and Regenw. in Netherlandsch-Indie, 1919.	**P,** ℂ, **R,** 1866–1915.	e	P, ℂ=mean of 24 hrs.
958*a*	Pontianak	See No. 957.			..
959	Passeroean	Do.	**R,** 1879–1915.		..
960	Kajoemas	Do.	**R,** 1879–1915.		..
961			**R,** 1888–1915.		..
962	Ambon	Do.			..
963	Manokwari	Do.	**R,** 1879–1915.		..
964			**R,** 1901–15.		..
965	Daru	Port Moresby, Papua Govt. Gazette, 1919–20.	**P,** 18 yrs., 1894–95; 1903–22. ℂ, 19 yrs., 1894–95; 1903–24. **R,** 22 yrs., 1894–1919.		P, ℂ=9h.
966	Port Moresby	Do. do.	**P,** 24 yrs., 1891–95; 1902–22. **T,** 20 yrs., 1891–1916. **R,** 24 yrs., 1891–1916.	d	P=9h.
967					
968	Rendova	MS. data supplied by the Meteor. Bureau, Melbourne.	**P,** (1907–19). **R,** 1907–18.		P=9h.
969	Tulagi, Brit. Solomon Is.	MS. data at M.O.	**P,** 1907–19. **T,** 1907–17. **R,** 1898–1917.	e	P=9h. ℂ derived from ½ (M+*m*).
970	Ocean Island	Do.	**P,** 1905–20. ℂ, **R,** 1905–16.	e	P, ℂ (May and Year)=½ (9+21). ℂ (Jan.–April, June-Dec.) derived from ½ (M+*m*).

ZONE 10.

Table showing the Authorities for the Meteorology of the Globe between Latitude 10° S. and 20° S.

1002	Apia, Samoa	MS. data supplied by the Meteor. Office, Wellington, N.Z.	**P, R,** 1890–1923. ℂ, (1890–1919).		P, ℂ=mean of 24 hrs.
1003	Alofi, Niue Island	Do. do.	**T,** 10–13 yrs., 1907–19. **R,** 1905–19.	a	ℂ derived from ½ (M+*m*).
1007	Makatea	..	..		..
1021	Arequipa	MS. data supplied by Professor Pickering, Harvard College.	**P,** 1892–95; 1910–16. **T,** 31 yrs., 1888–1920. **R,** 13 yrs., 1888–95; 1910–16.	q	P=½ (10+22). ℂ derived from these hours.
1022	Puerto de Arica	Santiago, Publ. Inst. Meteor. de Chile, No. 31, Anuario, 1919.	ℂ, 1900–08; '11–18. **R,** 1903–18.		ℂ derived from ¼ (7+14+2×21).
1023					
1024	Sucre, Bolivia	Sucre, Boletin Mensual del Obs. Meteor., 1919.	**R,** 1883–1904; '10–19.		P=⅛ (7+14+21). ℂ=¼ (7+14+2×21).
1025	Corumba	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	**P,** ℂ, **R,** 1912–19.	hq	P=½ (7+21). ℂ=¼ (7+21+M+*m*).
1026	Cuyaba	Do. do.			
1027	Bello Horizonte	Bello Horizonte, Serviço Meteor., Boletin Annual, 1919.	**P,** ℂ, **R,** 1901–19. **P,** 1910–19. ℂ, **R,** 1910–21.	q	P=⅛ (7+14+21). ℂ=¼ (7+14+2×21).
1028	Caetite	See No. 1025.		e	Do. do.
1029	Ondina (Bahia)	Do.	**P,** ℂ, **R,** 1909–19.	q	Do. do.
1030	Aracaju	..	**P,** ℂ, 1909–19. **R,** 26 yrs., 1880–1919.	q	Do. do.
1035	St. Helena	MS. data at M.O.	..		..
1039			**P,** 1892–1921. **T,** 1892–1922. **R,** 1892–1915.	eq	P=9h. ℂ derived from ⅛ (9h+M+*m*).
1042	Gwelo	Salisbury, Rep. on Meteor., 1914–19, Hydrogr. and Meteor. Rep., 1919–20 and MS. data.	**P, T, R,** 1907–21.	cq	P=9h.
1043	Salisbury, Rhodesia	Do. do.			
1044	Zomba	Nyasaland Govt. Gazette, 1919.	**P, T, R,** 1903–21.	cq	P=9h. ℂ derived from ½ (M+*m*).
1045	Tananarive	MS. data supplied by l'Office National Météor., Paris.	**P,** 1908–24. **T, R,** 1892–1920. **P,** ℂ, **R,** 1889–1923.	e	P=½ (9+21). ℂ derived from these hours.
1046	Sainte-Marie	..		cq	P=⅛ (7+13+18). ℂ derived from these hours.
1055	Cocos Keeling Is.	MS. data supplied by the Meteor. Bureau, Melbourne.	..		..
1057	Christmas Island	Edinburgh, J. Scot. Meteor. Soc., 18, 1919.	**P, T,** 1905–20. **R,** 1904–20.	d	P=½ (9+15).
1061	Koepang	Batavia, Regenw. in Nederlandsch-Indie, 1919.	**P, T,** 1902–15. **R,** 1902–18.	e	P=½ (9+21). ℂ=¼ (9+21+M+*m*).
1061*a*	Derby	See No. 1055.	**R,** 1879–1915.		..
1062	Hall's Creek	Do.	**P, T,** 1897–1919. **R,** 1886–1919.		P=½ (9+15).
1063	Darwin	Do.	**P,** 1901–19. **T,** 1899–1919. **R,** 1891–1919.		P=½ (9+15). ℂ derived from ½ (M+*m*).
1064	Daly Waters	Do.	**P, T,** 1882–1921. **R,** 1870–1921.		Do. do.
1065	Mein	Do.	**P,** 1881–1919. **T,** 1886–1918. **R,** 1873–1919.		Do. do.
1066	Georgetown, Queensland	Do.	**P,** 1906–19. **T,** 1907–19. **R,** 1888–1919.		P=½ (9+15).
1067	Samarai	Port Moresby, Papua Govt. Gazette, 1919–20.	**P,** 1910–19. **T,** 1907–19. **R,** 1872–1919. **P,** 13 yrs., 1904–22. ℂ (Jan.–June, Oct.), 1904–15, (July–Sept., Dec.), 1904–24. **R,** 1891–2; '04–1915.		Do.
1072	Suva, Fiji	MS. data at M.O.	**P,** 1886–1916. **T, R,** 1886–1918.	c	P=9h. ℂ derived from ½ (M+*m*).

For notes *see* page 114.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° S. and 30° S. ZONE 11.

	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
	Raratonga (Avarua)	MS. data supplied by the Meteor. Office, Wellington, N.Z.	**R,** 1899–1915.		..
	Punta Tortuga, Coquimbo	Santiago, Publ. Inst. Meteor. de Chile, No. 31, Anuario, 1919.	**P,** 20 yrs., 1870–1913. ℂ, 1899–1908; '10–17. **R,** 1900–15.	e	P=⅛ (7+14+21). ℂ derived from ¼ (7+14+2×21).
	Iquique	Do. do.	ℂ, 17 yrs., 1886; '99–1917. **R,** 19 yrs., 1886; '99–1918.		ℂ derived from ¼ (7+14+2×21).
	Catamarca	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1919.	**P,** 1881–88; 1916–20. ℂ, 1881–88; 1904–13; '16–19. **R,** 1881–1900; '03–14; '16–19.	e	P, ℂ=mean of 24 hrs.
	Salta	Do. do.	**P,** 1882–1907; '16–20. ℂ, 1882–1913; '16–19. **R,** 1873–1913; '16–19.	q	Do.
	Goya	Do. do.	**P,** 1876–1900; '14; '16–19. ℂ, **R,** 1877–1914; '16–19.	e	Do.
	Asuncion	MS. data supplied by Director, Oficina Meteor., Argentina.	**P,** unknown. ℂ, **R,** 20 yrs.	e	P, ℂ=mean of 24 hrs. A correction of +3·7 mb. has been applied to the pressure values.
	Curityba	..	..		..
	Rio de Janeiro	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	**P,** 1890–1920. ℂ, 1890–1923. **R,** 1851–1920.	q	P, ℂ=mean of 24 hrs.
	Windhoek	MS. data supplied by Chief Meteorologist, Pretoria.	**T,** 13 yrs., 1901–05; '11–21. **R,** 23 yrs.		ℂ derived from ½ (M+*m*).
	Kimberley	MS. data supplied by Dr. J. R. Sutton.	**P,** ℂ, 1897–1911. **R,** 40 yrs.	c	P=¼ (8+14+20). ℂ=mean of 24 hrs.
	Johannesburg	See No. 1139.	**P,** 15–16 yrs., 1904–20. **T,** 1904–19. **R,** 1888–1913.	c	P=8½h. ℂ derived from ½ (M+*m*).
	Pretoria (Brooklyn)	Do.	**P, T,** 1903–17.	c	P=8½h. ℂ derived from ½ (M+*m*).
	Bulawayo	Salisbury, Rep. on Meteor,. 1914–19 and Hydrogr. and Meteor. Rep., 1919–20, and MS. data.	**P, T,** 1897–1923. **R,** 1896–1924.	c	P=8h. ℂ derived from ½ (M+*m*).
	Durban	See No. 1139.	**P,** 1884–1910. **T,** 1873–83; '85–1910; '12–21. **R,** 1873–1913.	ce	P=8½h. ℂ derived from ½ (M+*m*).
	Lorenzo Marques	Lourenço Marques, Relatorio do Observatorio Campos Rodrigues, 1919.	**P,** 13 yrs. ℂ, **R,** 20 yrs.		P, ℂ=mean of 24 hrs.
	Mauritius	Mauritius, Results of Meteor. obs., during 1919 at Royal Alfred Obs.	**P,** ℂ, **R,** 1861–1919.	e	P, ℂ= mean of 24 hrs.
	Onslow	MS. data supplied by the Meteor. Bureau, Melbourne.	**P, T,** 1897–1919. **R,** 1886–1919.		P=½ (9+15).
	Peak Hill	Do. do.	**P, T,** 1899–1919. **R,** 1898–1919.		Do.
	Nullagine	Do. do.	**P,** 1900–19. **T,** 1899–1919. **R,** 1898–1919.		Do.
	Laverton	Do. do.	**P, T,** 1901–19. **R,** 1900–19.		P=½ (9+15). ℂ derived from ½ (M+*m*).
	Alice Springs	Do. do.	**P,** 1883–1918. **T,** 1879–1921. **R,** 1874–1921.		Do. do.
	William Creek	Do. do.	**P,** 1889–1919. **T,** 1889–1918. **R,** 1874–1919.		Do. do.
	Boulia	Do. do.	**P,** 1900–19. **T,** 1898–1919. **R,** 1887–1919.		Do. do.
	Thargomindah	Do. do.	**P, T,** 1910–24. **R,** 1879–1924.		Do. do.
	Mitchell	Do. do.	**T,** 1907–19. **R,** 1884–1919.		P=½ (9+15).
	Rockhampton	Do. do.	**P,** 1889–1919. **T,** 1898–1919. **R,** 1887–1919.		Do.
	Brisbane	Do. do.	**P, T,** 1887–1922. **R,** 1852–1922.		P=½ (9+15). ℂ=¼ (9+15+21+*m*).
	Quiicchambo	..	..		..
	Norfolk Island	See No. 1159.	**P,** 1908–11; '15–22. **T,** 1879; '81–Feb. '84; 1915–22. **R,** 1887–1912; '15–22.	d	P=9h.

Between Latitude 30° S. and 40° S. ZONE 12.

	Juan Fernandez	Santiago, Publ. Inst. Meteor. de Chile, No. 31, Anuario, 1919.	ℂ, 1901–09; '11–18. **R,** 1901–07; '09; '11–18.		ℂ derived from ¼ (7+14+2×21).
	Punta Tumbes	Do. do.	**P, T, R,** 1901–17.	e	P=¼ (7+14+21). ℂ derived from ¼ (7+14+2×21). A correction of +3.6 mb. has been applied to the pressure values.
	Punta Angeles, Valparaiso	Do. do.	**P, R,** 1869–1918 (incomplete). ℂ, 1899–1908; '11–18.	e	P=½ (7+14+21). ℂ derived from ¼ (7+14+2×21).
	Santiago	Do. do.	**P,** 1861–1908; '10–16. ℂ, 1861–1914. **R,** 1867–1915.	e	Do. do.
	Cordoba	Cordoba, Oficina Meteor. Nacion., Sinopsis del Tiempo, 1922–23.	**P,** 1872–1922. ℂ, **R,** 1873–1922.	e	P, ℂ=mean of 24 hrs.
	Bahia Blanca	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1919.	**P,** 1875–1900; '10–14; '16–19. ℂ, **R,** 1860–83; '96–1914; '16–19.		Do.
	Buenos Ayres (Chacarita)	Do. do.	**P,** 1858–1914; '16–19. ℂ, **R,** 1861–1914; '16–19.		Do.
	Montevideo	Montevideo, Inst. Nacion. Fis.-Climat., Bol. Mens., 1919, and MS. data.	**P,** ℂ, **R,** 1901–20.	e	Do.
	Porto Alegre	Porto Alegre, Inst. Astr. e Meteor., Bol. Ann., 1919.	**P,** ℂ, **R,** 10 yrs., 1910–22.	e	Do.
	Cape Town	Symons's Meteor. Mag., London, 1919, Meteor. Mag., London, 1920, and MS. data supplied by Royal Observatory, Cape Town.	**P, T, R,** 1884–1920.	c	P=⅛ (8½+12 h. 46 m.+20¼). ℂ derived from ½ (M+*m*).
	Danger Point	MS. data supplied by Chief Meteorologist, Pretoria.	**R,** 1910–21.	ce	P=8½ h.
	Riversdale	Do. do.	..	ce	Do.
	East London	Do. do.	**P,** 1870–1904. **T,** 1881–1906. **R,** 26 yrs.	ce	Do.
	Perth (Observatory)	MS. data supplied by the Meteor. Bureau, Melbourne.	**P,** 1885–1921. **T,** 1897–1921. **R,** 1876–1921.		P=½ (9+15). ℂ derived from ½ (M+*m*).
	Katanning	Do. do.	**P, T,** 1897–1919. **R,** 1892–1919.		P=½ (9+15).
	Coolgardie	Do. do.	**P, T,** 1897–1919. **R,** 1893–1919.		P=½ (9+15). ℂ derived from ½ (M+*m*).
	Eucla	Do. do.	**P,** 1879–1918. **T,** 1878–1919. **R,** 1876–1919.		Do. do.

For notes *see* page 114.

ZONE 12—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1263	Streaky Bay	MS. data supplied by the Meteor. Bureau, Melbourne.	**P,** 1890–1919. **T,** 1891–1919. **R,** 1878–1919.		**P**=½ (9+15). **T** derived from ½ (M+*m*).
1264	Adelaide	Do. do.	**P, T,** 1857–1918. **R,** 1839–1919.		Do. do.
1265	Melbourne	Do. do.	**P,** 1858–1919. **T, R,** 1856–1919.		**P** (Stat. Lev.)=½ (9+15). **P** (M.S.L.)=mean of 24 hrs. **T** derived from ½ (M+*m*).
1266	Bourke	Do. do.	**P,** 1907–24. **T,** 1874–1918. **R,** 1873–1919.		**P**=9 h.
1267	Sydney	Do. do.	**P, T, R,** 1859–1922.		**P**=¼ (9+15). **T**=¼ (9+15+21+*m*).
1268	Lord Howe Island	Do. do.	**P, T,** 10 yrs. **R,** 1897–1912 ; '15–19.		**P**=9 h.
1271	Auckland	Wellington, Statistics of New Zealand, Meteor., 1919.	**T,** 56 yrs. **R,** 68 yrs.	a	**P**=9 h.
1272	Napier	Do. do.	**P,** 1867–80 ; 1905–15. **T,** 29 yrs. **R,** 16 yrs.	a	Do.

ZONE 13. Table showing the Authorities for the Meteorology of the Globe between Latitude 40° S. and 50° S.

1301	Chatham Island	MS. data supplied by Meteor. Office, Wellington, N.Z.	**R,** 1879–81 ; '94–1914.		..
1321	Isla Guafo	Santiago, Publ. Inst. Meteor. de Chile, No. 31, Anuario, 1919.	**P, T, R,** 1908–17.	e	**P**=⅓ (7+14+21). **T** derived from ¼ (7+14+2×21).
1322	Punta Galera	Do. do.	**P,** 1899–1908 ; '10–18. **T, R,** 1899–1918.	e	Do. do.
1323	Sarmiento	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1919.	**T,** 1903–07 ; '16–19. **R,** 1904–07 ; '16–19.		**P, T**=mean of 24 hrs.
1324	Punta Madryn	Do. do.	**T, R,** 1903–13 ; '16–19.		Do.
1365	Launceston	MS. data supplied by the Meteor. Bureau, Melbourne.	**P,** 1905–18. **T,** 1891–1918. **R,** 1886–1919.		**P**=½ (9+15). **T** derived from ½ (M+*m*).
1366	Hobart	Do. do.	**P,** 1885–1919. **T,** 1871–1919. **R,** 1841–79 ; '82–1919.		Do. do.
1370	Invercargill	Wellington, Statistics of New Zealand, Meteor., 1919.	**T,** 11 yrs. **R,** 27 yrs.	a	..
1371	Dunedin	Do. do.	**P,** 1865–1915. **T,** 55 yrs. **R,** 62 yrs.	a	**P**=9 h.
1371*a*	Christchurch	Do. do.	**P,** 1905–23. **T,** 1872–1917. **R,** 1865–1917.	a	**P**=9½ h.
1372	Wellington	Wellington, New Zealand Govt. Gazette, 1919–20, and Statistics of New Zealand, Meteor., 1919.	**P,** 1865–1917. **T,** 56 yrs. **R,** 59 yrs.		**P**=9 h.

ZONE 14. Between Latitude 50° S. and 60° S.

1421	Islota de los Evangelistas	Santiago, Publ. Inst. Meteor. de Chile, No. 31, Anuario, 1919.	**P,** 1899–1908 ; '10–18. **T, R,** 1899–1918.	e	**P**=⅓ (7+14+21). **T** derived from ¼ (7+14+2×21).
1422	Puerto de Punta Arenas	Do. do.	**P,** (1889–1918). **T, R,** (1888–1918).	e	Do. do.
1423	Punta Dungeness	Do. do.	**P,** 1900–08 ; '10–18. **T,** 1900–18. **R,** 1903–18.	e	**P**=⅓ (7+14+21). **T** (Jan., Sept.–Dec.) derived from ¼ (7+14+2+21) (Feb.–Aug., Year) derived from ½ (7+21).
1424	Santa Cruz	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1919.	**P,** 1903–07 ; '16–19. **T, R,** 1905–13 ; '16–19.		**P, T**=mean of 24 hrs.
1424*a*	Año Nuevo	MS. data supplied by Ministerio de Marina, Buenos Ayres.	**P,** (1889–1918). **T,** (1888–1918). **R,** 1902–05 ; '14–21.	e	Do.
1425	Stanley, Falkland Is.	MS. data supplied by the Governor, Falkland Islands.	**R,** 1904–20.		..
1426	Cape Pembroke	MS. data at M.O.	**P, T,** 1895–1920.		**P, T**=⅛ (4+8+12+16+20+24). No rain-gauge.
1429	S. Georgia (Cumberland Bay)	MS. data at M.O.	**P, R,** 1906–18. **T,** 1905–18.	e	**P**=¼ (8+14+20). **T** derived from three hours.

ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	MS. data supplied by Oficina Meteor. Nacion., Buenos Ayres.	**P, T,** 1903–23. **R,** 17–18 yrs., 1904–23.	e	**P, T**=mean of 24 hrs.

NOTES.

a. Maximum thermometer read at hour of morning observation and entered to day of reading.

b. Maximum and minimum temperatures from whole degrees Fahrenheit.

c. International Zone Time.

d. **T** derived from table on page 115.

e. M.S.L. reduction applied in M.O.

f. At Cairo, mean temperatures obtained by the formula ¼ (8+14+20+*m*) are 0.7*a* too low.

g. At Khartoum, mean temperatures obtained by the formula ¼ (8+14+20+*m*) are 1.0*a* too low.

h. At Quixeramobim, mean temperatures obtained by the formula ¼ (7+21+M+*m*) are 0.6*a* too low.

k. Absolute maximum taken from observations at fixed hours.

l. Absolute minimum taken from observations at fixed hours.

n. 75th W. meridian time.

o. 7½ E. meridian time.

q. Pressure differences from normal refer to station level values.

The statement that **T** is derived from a certain combination means that a correction has been applied to the values given by this combination to obtain the approximate true mean temperature.

Daily Observations of Wind within the Tropics.—The information is extracted from MS. data at M.O.

REDUCTION TO TRUE MEAN TEMPERATURE.

The following references give the more important authorities for the corrections which have been applied to reduce the temperatures, either means of observations at fixed hours or means of maxima and minima, to true mean.

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The following table gives approximate corrections for stations between 30° N. and 30° S. to reduce ½ (M+*m*) to true mean, taking into consideration the height and the daily range (M—*m*). It can be applied in cases where no other correction is available, and has been so used in the tables in this issue.

Daily Range	Height in Metres.							
	0.	500.	1000.	1500.	2000.	2500.	3000.	3500.
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
4	— ·35	— ·42	— ·49	— ·56	— ·63	— ·70	— ·77	— ·84
6	— ·42	— ·50	— ·58	— ·66	— ·74	— ·82	— ·90	— ·98
8	— ·52	— ·59	— ·65	— ·72	— ·78	— ·85	— ·91	— ·98
10	— ·64	— ·67	— ·70	— ·73	— ·76	— ·79	— ·82	— ·85
12	— ·79	— ·76	— ·73	— ·70	— ·67	— ·64	— ·61	— ·58
14	— ·97	— ·85	— ·73	— ·61	— ·49	— ·37	— ·25	— ·13

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